

URBAN/MUNICIPAL

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THE REGIONAL MUNICIPALITY OF HAMILTON—WENTWORTH

DEPARTMENT OF ENGINEERING

1978

CURRENT BUDGET

ESTIMATES

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1978

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Hamilton-Wentworth
Dept of Engineering
Budget Estimates-
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Hamilton-Wentworth
Dept of Engineering
Budget Estimates-1978

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WATER WORKS

PROJECTED WATERWORKS REVENUEFOR YEAR 1978

ACCOUNT DESCRIPTION	APPROVED BUDGET	PROBABLE ACTUAL	PROJECTED REVENUE NO INCREASE	PROJECTED REVENUE BASED ON 6% INCREASE	1979 BUDGET
<u>SALE OF METERED WATER</u>					
Ancaster	121,000	120,036	134,000	139,600	
Dundas	284,000	194,113	275,000	289,000	
Flamborough	57,000	39,930	60,000	63,400	
Glanbrook			11,000	11,500	
Hamilton	6,675,000	6,457,497	6,860,000	7,150,000	
Stoney Creek	426,000	381,095	432,000	452,000	
Total	<u>7,563,000</u>	<u>7,192,671</u>	<u>7,772,000</u>	<u>8,105,500</u>	
<u>SALE OF NON-METERED WATER</u>					
Hamilton	3,057,000	3,054,809	3,050,000	3,220,000	
Stoney Creek	126,500	126,642	143,000	143,000	
Total	<u>3,183,500</u>	<u>3,181,451</u>	<u>3,193,000</u>	<u>3,363,000</u>	
<u>SALE OF WATER - COIN STATIONS</u>					
	<u>8,500</u>	<u>9,623</u>	<u>12,000</u>	<u>12,000</u>	
<u>RENTAL OF HYDRANTS</u>					
Ancaster	24,820	24,900	25,200	26,880	
Dundas	38,300	37,894	39,375	42,000	
Flamborough	9,000	11,100	12,300	13,120	
Glanbrook			2,550	2,720	
Hamilton	491,180	490,425	491,250	524,000	
Stoney Creek	68,700	75,694	80,625	86,000	
Total	<u>632,000</u>	<u>640,013</u>	<u>651,300</u>	<u>694,720</u>	
<u>CONDITIONAL GRANTS</u>					
General Support Grant			<u>630,000</u>	<u>630,000</u>	

PROJECTED WATERWORKS REVENUEFOR YEAR 1978

ACCOUNT DESCRIPTION	APPROVED BUDGET	PROBABLE ACTUAL	PROJECTED REVENUE NO INCREASE	PROJECTED REVENUE BASED ON 6% INCREASE	1979 BUDGET
<u>OTHER REVENUES</u>					
Local Improvement Rec.	105,000	105,000	100,000	100,000	
Licences & Permits	30,000	30,930	30,000	30,000	
Rental & Leases	16,200	21,986	20,000	20,000	
Penalties & Interest	60,000	48,965	100,000	100,000	
Turn-Off & Turn-On	30,000	25,753	25,000	25,000	
Sales of Scrap	9,000	15,085	15,000	15,000	
Other	13,000	7,144	15,000	15,000	
Total	<u>263,200</u>	<u>254,863</u>	<u>295,000</u>	<u>305,000</u>	

TRANSFER FROM RESERVE 82,200

TOTAL PROJECTED WATER REVENUE11,732,40011,278,62112,553,30013,110,220

13,110,220

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1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8321	Administration	487,089	599,932	615,900		615,900	
8322	General Expenses	598,600	644,947	737,000		737,000	
8323	Water Storage	19,000	21,477	15,900		15,900	
8324-02	Pumping Stations	378,682	344,438	424,500	5,400	429,900	
8324-05	Wells	66,560	62,528	80,200		80,200	
8325	Water Purification	1,517,045	1,656,502	1,744,200	24,500	1,768,700	
8329	Distribution System	1,663,475	2,123,667	1,748,100	10,900	1,759,000	
8330	Water Meters	596,600	567,525	589,500		589,500	
8340	Stelco Pumping Studies		18,050				
	Contingency	2,980		200,000		200,000	
	TOTAL OPERATING EXPENDITURE	<u>5,330,031</u>	<u>6,039,066</u>	<u>6,155,300</u>	<u>40,800</u>	<u>6,196,100</u>	

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8326	Debenture Debt - Principle & Interest	4,855,000	4,632,837	4,798,800	320,000	5,118,800	
8327	Provision for Capital Projects - Transfer to Reserve.				189,620	189,620	
8328	Capital Projects - Financed from Current Funds	1,559,600	1,545,744	1,580,000		1,580,000	
	TOTAL	<u>6,414,600</u>	<u>6,178,581</u>	<u>6,378,800</u>	<u>509,620</u>	<u>6,888,420</u>	
	TOTAL WATER WORKS	<u>11,744,631</u>	<u>12,217,647</u>	<u>12,559,800</u>	<u>550,420</u>	<u>13,110,220</u>	

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8321-01							
01	Salaries, Wages & Benefits	359,189	312,874	351,000		351,000	
11	Communications	5,000	3,732	5,000		5,000	
12	Advertising			2,000		2,000	
13	HMRF Deficiency	50,000	208,472	170,000		170,000	
21	Office Supplies	9,000	8,638	9,000		9,000	
27	Safety Boots & Uniforms	2,000	192	2,000		2,000	
33	R/M - Office Equipment	300	245	300		300	
71	Office Equipment	900	929	600		600	
81	Rental Car Pool	1,500	1,142	1,500		1,500	
87	Accommodation	53,000	54,375	67,300		67,300	
91	Travelling	2,000	1,224	2,000		2,000	
94	Staff Training & Expenses	2,200	751	2,200		2,200	
98	Payments - Agreements	2,000	7,358	3,000		3,000	
TOTAL ADMINISTRATION		<u>487,089</u>	<u>599,932</u>	<u>615,900</u>		<u>615,900</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksSECTION: AdministrationPAGE 4.i.PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8321	ADMINISTRATION		
01			
01	Salaries	351,000	Salaries which are distributable to Water Works administration costs. 281,000 Employee Benefits 61,000
			Water Works Share of providing 24 hour telephone service by City Clerk's Dept. \$9,000
			\$351,000
11	Communications	5,000	Cost of telephone in Water Works Maintenance & Operations Sections. General telephone costs are now included in Accomodation Account 8321-0187.
12	Advertising	2,000	Cost of advertisements for personnel, road closings, By-laws, contracts, etc.
13	H.M.R.F.	170,000	Required to pay Water Works share of Hamilton Municipal Retirement Fund Deficiency.
21	Office Supplies	9,000	Water Works share of office & draughting supplies, photo copier, and printed forms.
27	Protective Clothing & Safety Boots	2,000	Safety boots and protective clothing for administrative staff.
33	R/M - Office Equipment	300	Repair of desks and chairs in Water Works Section.
71	Office Equipment	600	Purchase of a calculator for Engineering Services Section. Presently one calculator is used by 9 staff members, and 1 filing cabinet for General Office.

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: AdministrationPAGE 4.ii.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8321	ADMINISTRATIONCont'd.			
01				
81/91	Travelling Expenses	3,500	Rental of cars for garage pool for Water Works purposes and travelling expenses for conventions, supper allowances, etc.	\$1,500 2,000
87	Accommodation	67,300	Cost of renting Water Works Maintenance and Operations Building & yards from Area Municipalities. 1. 125 Barton Street West) 2. Dundas Service Centre) 3. Queenston Road Yard)----- \$25,200 4. Hill Street Yard) 5. Upper Ottawa St. Yard) 6. Parkdale Station) 7. City Hall rent and communications.	<u>42,100</u> \$67,300
94	Staff Training & Expenses	2,200	Required to pay for M.T.C. Courses, and evening courses at McMaster and Mohawk College and other seminars.	
98	Payments - Agreements	3,000	Pipe crossing Railway right-of-ways charges in Region, and payments for other agreements, increase because of billings from C.N.R. as well as T.H. & B. Railways now being received.	

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8322-01							
42	Insurance	30,300	30,300	99,700		99,700	
45	Property Tax	325,000	340,711	368,000		368,000	
50	Billing, Collection, Administration and Audit Fees	100,500	109,660	116,300		116,300	
60	Hamilton Store Charges	18,000	23,076	23,000		23,000	
41	Frontage Charges		262				
	TOTAL	<u>473,800</u>	<u>504,009</u>	<u>607,000</u>		<u>607,000</u>	

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 5.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8322	GENERAL EXPENSES		
01			
42	Insurance	99,700	General Insurance cost for Water Works properties, plants, pump stations, etc. 1. Property 91,300 2. Liability 8,400 \$99,700
45	Property Taxes	368,000	Municipal Taxes for Water Works properties.
50	Billing, Collection	116,300	Charges from Finance Department for water billing, collection and adminis- tration charges, and auditors fees.
60	Hamilton Store Charges	23,000	Water Works portion of administration charges - Hamilton Stores.

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8322							
0200	Preliminary Engineering	14,000	13,668	14,000		14,000	
0300	Water Purchase - Grimsby	6,000	5,987	8,000		8,000	
0400	Horticultural Services	41,800	43,525	43,000		43,000	
0500	Motor Vehicle Operations	36,000	48,930	35,000		35,000	
0600	Water Purchase - Halton	16,000	19,817	25,000		25,000	
0700	Technical Services	5,000	4,896				
0800	Checking Plans	6,000	4,115	5,000		5,000	
	TOTAL	<u>124,800</u>	<u>140,938</u>	<u>130,000</u>		<u>130,000</u>	
	TOTAL GENERAL EXPENSES	<u>598,600</u>	<u>644,947</u>	<u>737,000</u>		<u>737,000</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: General ExpensesPAGE 6.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8322	GENERAL EXPENSES		
0200	Preliminary Engineering	14,000	Preliminary engineering and study costs which cannot be charged to specific project.
0400	Horticultural Services	43,000	Monies required for services to lands of Water Works. Horticultural services to Water Works properties. 1. Hamilton \$36,300 2. Stoney Creek 3,000 3. Dundas 1,200 4. Ancaster 2,000 5. Flamborough 500
0500	Motor Vehicle Operations	35,000	Service charge - gas, oil, radio maintenance, depreciation and insurance Water Works vehicles. \$30,000 1 new vehicle for construction engineer presently using garage car. 5,000 \$35,000
0800	Checking Plans	5,000	Cost of checking plans and counter work which is performed by drafting personnel.

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER STORAGE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8323-02	<u>RESERVOIRS & ELEVATED TANKS</u>						
14	Power	4,000	4,355	5,400		5,400	
31	R/M - Equipment	2,500	4,987	5,500		5,500	
33	R/M - Buildings and Grounds	7,000	6,382	2,000		2,000	
39	Cleaning Reservoirs	5,500	5,753	3,000		3,000	
	TOTAL	<u>18,000</u>	<u>21,477</u>	<u>15,900</u>		<u>15,900</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Storage

PAGE 7.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8323-02	RESERVOIRS AND ELEVATED TANKS			
14	Power	5,400	Hydro supply to reservoirs and tanks. 1977 probable actual = \$5,000 ; 8% rate increase anticipated. 1978 cost = 5,000 x 1.08 = \$5,400	
31	R/M - Equipment	5,500	1. Routine maintenance of electrical and mechanical equipment.	\$2,500
			2. Stock of new parts for new Reservoirs W-112A and W-Fl.	500
			3. Replacement of stocked parts used during 1977 (entire 1977 appropriation used to pay for parts ordered in 1976.	<u>2,500</u>
				<u>\$5,500</u>
33	R/M - Buildings and Grounds	2,000	1. Routine maintenance - cleaning materials, hardware, paint, etc.	\$1,000
			2. Repair and replacement of fencing at Reservoir W-H1(St. Joseph's Drive)	1,000
39	Cleaning Reservoirs	3,000	1. W-H5 (2 East Cells) Stonechurch Rd.	\$2,000
			2. W-Fl5 - Kelly Street.	<u>1,000</u>
				<u>\$3,000</u>

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: PUMPING STATIONS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8324-02	<u>BOOSTER PUMPING STATIONS</u>						
01	Salaries, Wages and Benefits	104,682	61,091	73,900	5,400	79,300	
14	Power	251,000	259,460	328,000		328,000	
15	Fuel	3,500	1,724	3,500		3,500	
31	R/M - Equipment	14,000	19,189	15,000		15,000	
33	R/M - Building & Grounds	5,500	3,532	4,100		4,100	
	TOTAL	<u>378,682</u>	<u>344,996</u>	<u>424,500</u>	<u>5,400</u>	<u>429,900</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Pumping Stations

PAGE 8.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8324-02	BOOSTER PUMPING STATIONS			
01	Salaries, Wages and Benefits	79,300	Portion of operator and maintenance costs allocated to booster pumping stations. Benefits	\$68,400 10,900 \$79,300
			Share of 3 additional Maintenance men - <u>\$5,400</u> - included.	
14	Power	328,000	Hydro supply to booster pumping station. 8% rate increase anticipated.	
15	Fuel	3,500	Supply of diesel fuel, furnace oil to stations.	
31	R/M - Equipment	15,000	Routine maintenance of mechanical and electrical equipment.	
33	R/M - Buildings and Grounds	4,100	1. Routine maintenance - cleaning supplies, paint, hardware, etc. 2. Replacement of doors at Station W-H2 (\$1,500 carried over from 1977)	\$4,000 100 \$4,100

SECTION: WELLS

[illegible]

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: WellsPAGE 9.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8324-05	WELLS			
01	Salaries, Wages and Benefits	40,500	Portion of operator and maintenance labour costs allocated to wells. Benefits.	\$34,900 5,600 <u>\$40,500</u>
14	Power	28,000	Hydro supply to wells in: 1. Ancaster 2. Waterdown 3. Carlisle 4. Village Green	\$19,500 5,000 2,500 1,000 <u>\$28,000</u>
31	R/M - Equipment	11,200	1. Routine maintenance of electrical and mechanical equipment. 2. Spare submersible pump for W-F2A well. 3. Overhaul of pump and installation of new discharge head casting at W-AOA.	\$1,000 4,200 6,000 <u>\$11,200</u>
33	R/M - Buildings and Grounds	500	Routine maintenance of buildings and grounds.	

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER TREATMENT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8325-02	<u>WATER PURIFICATION PLANT</u>						
01	Salaries, Wages and Benefits	553,345	640,447	574,500	24,500	599,000	
14	Power	460,000	452,245	558,000		558,000	
15	Fuel	67,000	81,483	84,000		84,000	
19	Laboratory Services	101,500	101,808	121,900		121,900	
23	Chemicals	250,000	257,983	290,000		290,000	
27	Protective Clothing	6,000	5,336	6,800		6,800	
31	R/M - Equipment	47,200	65,363	52,000		52,000	
33	R/M - Buildings and Grounds	32,000	32,392	57,000		57,000	
	TOTAL	<u>1,517,045</u>	<u>1,637,058</u>	<u>1,744,200</u>	<u>24,500</u>	<u>1,768,700</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Treatment

PAGE 10.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL																												
8325-02	WATER PURIFICATION PLANT																														
01	Salaries, Wages and Benefits	599,000	<p>Salaries, wages and benefits for operating staff plus share of maintenance and labour costs. \$477,500</p> <p>Benefits. 97,000</p> <p>2 - Retiring - R. Low & D. Donat. 12,500</p> <p>Share of 3 additional Maintenance men. 12,000</p> <p>\$599,000</p>																												
14	POWER	558,000	<p>Hydro supply to W.P.P. and Station W-H1 and W-H0.</p> <p>8% rate increase anticipated.</p>																												
15	Fuel	84,000	<p>Purchase of steam from S.T.P.</p> <p>Estimated usage -42,000 MCF @ \$2.00/MCF.</p>																												
19	Laboratory Services	121,900	<p>Amount requested by Regional Laboratory for services during 1978.</p>																												
23	Chemicals	290,000	<table> <tr> <th>Chemical</th><th>Est. Usage (tons)</th><th>Est. 1978 Price/Ton</th><th>Costs</th></tr> <tr> <td>Alum</td><td>1,334</td><td>103.00</td><td>\$137,402</td></tr> <tr> <td>Chlorine</td><td>266</td><td>361.00</td><td>96,026</td></tr> <tr> <td>Sulphur Dioxide</td><td>3.5</td><td>400.00</td><td>1,400</td></tr> <tr> <td>Fluoride</td><td>400</td><td>118.00</td><td>67,200</td></tr> <tr> <td>Ammonia</td><td>14</td><td>558.00</td><td>7,812</td></tr> <tr> <td></td><td></td><td></td><td>\$289,840</td></tr> </table>	Chemical	Est. Usage (tons)	Est. 1978 Price/Ton	Costs	Alum	1,334	103.00	\$137,402	Chlorine	266	361.00	96,026	Sulphur Dioxide	3.5	400.00	1,400	Fluoride	400	118.00	67,200	Ammonia	14	558.00	7,812				\$289,840
Chemical	Est. Usage (tons)	Est. 1978 Price/Ton	Costs																												
Alum	1,334	103.00	\$137,402																												
Chlorine	266	361.00	96,026																												
Sulphur Dioxide	3.5	400.00	1,400																												
Fluoride	400	118.00	67,200																												
Ammonia	14	558.00	7,812																												
			\$289,840																												

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 10.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8325-02	WATER PURIFICATION PLANT			
27	Protective Clothing	6,800	Rental and cleaning of uniforms, purchase of safety boots, parkas, etc. 34 men (20 operators, 14 maintenance).	
31	R/M - Equipment	52,000	1. Routine maintenence of mechanical and electrical equipment.	\$40,000
			2. Overhaul of two 1750 HP. drive motors for Nos. 3 and 4 High Lift pumps.	10,000
			3. Rebuilding of Station W-H1 battery cells.	2,000
				<u>\$52,000</u>
33	R/M - Buildings and Grounds	57,000	1. Routine maintenance of buildings and grounds - cleaning materials, paint, hardware, etc.	\$13,000
			2. Repairs to floor of Station W-H1	500
			3. Repairs to roof of filter building.	5,000
			4. Installation of second exit in Post-Chlorine room (labour only).	500
			5. Repairs to roof over Station W-H1 washroom.	2,500
			6. Repairs to interior of Station W-H1 washroom.	2,500
			7. Painting of suction and discharge headers of Station W-H1.	3,000
			8. Repairs to brickwork of wash water tower.	5,000
			9. Repairs to brickwork of Post Chlorine building.	1,000

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 10.iii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8325-02	WATER PURIFICATION PLANT.....Cont'd.		
33 (Cont'd.)			
	10.	Installation of structures to reduce possibility of "Inerteen " entering watercourse (two transformers).	2,000
	11.	Repairs to roof of storeroom (\$10,000 carried over from 1977.	1,000
	12.	Repairs to Garthshore pumphouse (\$6,500 carried over from 1977).	1,000
	13.	Construction and installation of intake screen; repairs to crib Structure.	20,000
			<u>\$57,000</u>

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: DEBENTURE DEBT

[illegible]

DIVISION: WATER WORKS

SECTION: RESERVE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8327-01	<u>PROVISION FOR CAPITAL BUDGET</u>						
43	Capital Projects (Transfer to Reserve)				189,620	189,620	
	TOTAL				189,620	189,620	

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: CAPITAL PROJECTS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8328							
0200	Water Services	30,000	969	8,000		8,000	
0300	Watermains	748,500	765,040	750,000		750,000	
0500	Water Works associated with Subdivision	300,000	300,000	300,000		300,000	
0600	Suburban Watermain	200,000	200,135	200,000		200,000	
	Specific Projects	281,100	279,600	322,000		322,000	
	TOTAL	<u>1,559,600</u>	<u>1,545,744</u>	<u>1,580,000</u>		<u>1,580,000</u>	

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 13.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Capital Projects

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8328			
0200	Water Service	8,000	Interim financing of water service installation carried out under previous By-law. Will not be required in 1979.
0300	Watermains	750,000	Region's cost associated with watermains initiated under L.I.A. and minor improvements associated with road construction.
0500	Water Works Associated With Subdivisions	300,000	Region's share of watermains in subdivisions.
0600	Subdivision Watermains	200,000	Region's share of watermains in Suburban areas in accordance with Council's policy.
	<u>Specific Projects</u>	322,000	
	Instrument Metrification		To prepare specifications and estimates to convert instruments in all Water Works facilities to international standard instruments. \$5,000
	Cleaning and Lining Watermains.		Poor water quality found in 1977. Hwy. #8 from 1,200' west of McNeilly Road to Lewis Road. 118,000

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Capital Projects

PAGE 13.ii.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	SPECIFIC PROJECTS....Cont'd.		
	6" Watermain on Lloyd Avenue		The existing watermain pipe is in poor condition. Replacement of 1500' - 6" diameter. - Lloyd Avenue from Gage Avenue to Lottridge Street. 80,000
	8" Watermain on Turnbull Road		The Area Municipality proposes to reconstruct the road and the existing system is inadequate. Replacement of poor condition 6" watermain with 8" diameter watermain. - Turnbull Road. 40,000
	16" Watermain on King Street.		The Region proposes to reconstruct the road and the existing watermain does not have adequate capacity for distribution 1000' of 16" diameter paralleling a 6" diameter. - King Street from Hwy #20 to Battlefield Dr. 51,700
	Clean-up & Landscaping P.S. WH6B		To clean up and seed future pumping station site to avoid the dumping of rubbish and citizen complaints. - Pumping Station WH6B - Stonechurch Road clean-up and landscaping. 2,000
	6" Watermain on Tuscora Drive		To interconnect two existing developed areas to improve the supply and reliability of the system. 6" diameter - 200 feet. - Tuscora Drive from Iroquois Avenue to 100' East of Tomahac Crescent. 5,600

1978 CURRENT BUDGET

DIVISION: Water Works

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PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Capital Projects

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	SPECIFIC PROJECTS.....Cont'd.		
	Abandoning & Demolishing P.S. W-H18 - Main St. West.		Abandoning and demolishing of small pumping station which is redundant. -Pumping Station W-H18 - Main Street West. 5,000
	Meter Shop Modification		Renovation to existing building at Woodward Avenue to provide female staff washroom facilities and general lunch room. Present female staff are using temporary facilities in another building and existing lunchroom is required for other operation. 15,000

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8329-01	<u>GENERAL</u>						
01	Salaries, Wages and Benefits	163,555	173,934	149,900	10,900	160,800	
15	Utilities	800	775	1,200		1,200	
19	Pavement Cut Restoration	40,000	40,000	45,000		45,000	
27	Protective Clothing, Uniforms, Coveralls, & Safety Boots	10,000	10,246	12,500		12,500	
31	R/M Tools & Equipment	12,000	11,725	13,000		13,000	
33	R/M Buildings & Grounds	2,600	1,846	2,100		2,100	
73	Replacement Tools	10,000	11,158	12,000		12,000	
75	Operating Equipment	48,800	44,645	53,900		53,900	
	TOTAL	<u>287,755</u>	<u>294,329</u>	<u>289,600</u>	<u>10,900</u>	<u>300,500</u>	

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: MaintenancePAGE 14.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM		
01			
01	Salaries & Wages	160,800	Salaries and Wages for the Administrative Staff of the Water Works Distribution Systems Maintenance Group. \$129,200 Employee Benefits 16% 20,700 2 Employees Retiring (F. Rogers & W. Rushton). 10,900 \$160,800
15	Utilities	1,200	Water Works share of Heating and Lighting costs at the Queenston Road Yard.
19	Pavement Cut Restoration	45,000	Monies required for the repair of pavement cuts by Area Municipalities. These monies were included in Operating Accounts in previous years.
27	Protective Clothing, Uniforms, Coveralls, and Safety Foots.	12,500	Monies required for the provision of uniforms, protective clothing, rubber boots, safety boots and personal equipment for members of the Water Works Maintenance Group.
31	R/M Tools and Equipment	13,000	Monies required for the Repair and Maintenance of Water Works tools and equipment other than Vehicles, Backhoes and Air Compressors.
33	R/M Buildings and Grounds	2,100	Monies required for cleaning floors at 125 Barton Street West and for minor repairs to Yard Buildings in Dundas and Stoney Creek.

1978 CURRENT BUDGET

DIVISION: Water Works

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PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329	DISTRIBUTION SYSTEM.....Cont'd.			
01				
73	Replacement Tools	12,000	Monies required for the replacement of worn out and useless tools and pieces of small equipment.	
75	Operating Equipment	53,900	Monies required for the replacement of the following worn out equipment and for the necessary additional equipment.	
			(a) <u>Replacement</u>	
			1 - 3/4 ton Pick-up to replace 8763 which is now 7 years old and in poor condition.	
			- 80,500 miles.	
			70% Water Works Share	\$4,130
			1 - 20,000 GVW Dump Truck to replace 8506 which is now 8 years old and in very poor condition.	
			- 76,000 miles.	
			70% Water Works Share	8,600
			1 - Van type truck to replace 8755 which is now 5 years old, mileage in excess of 100,000 miles and in very poor condition.	
			70% Water Works Share	3,850
			1 - Hydraulic Backhoe/Loader to replace 8782. This International Machine was purchased in 1975 and is not an economical or reliable machine. Running repair costs of over \$3,700 from 1 January to 30 September 1977 are excessive and we would therefore recommend that the unit be traded.	
			70% Water Works Share	10,500

1978 CURRENT BUDGET

DIVISION: Water Works

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PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM.....Cont'd.		
01			
75	Operating Equipment		(a) <u>Replacement (Cont'd.)</u>
			1 - 4 door Sedan to replace 8722 which is now 9 years old and in poor condition. - 99,000 miles.
			70% Water Works Share 3,850
			1 - 2 Wheeled 170 CFM portable Air Compressor to replace 8604 which is now 26 years old and is in very unreliable condition. 70% Water Works Share 6,510
			1 - 16,000 GVW Dump Truck to replace 8503 which is now 6 years old and in poor body and mechanical condition. - 68,000 miles.
			70% Water Works Share 5,950
			3 - Thor #80 Pavement Breakers with 1-1/8" chucks to replace worn out equipment 70% Water Works Share 1,600
			2 - Detectron Model 505T Pipe Locators to replace unreliable & worn units (all W.W.). 800
			1 - Two Wheeled diaphragm pump with aluminum casing to replace pump #24.(all W.W.) . 600
			6 - Aqua Valve Box Locators to replace damaged and useless boxes (all W.W.) . 450
			2 - 100' lengths, 1 1/2" dia. #500 Fire Hose complete with couplings (all W.W.). 300

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: MaintenancePAGE 14.iv.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM.....Cont'd.		
01			
75	Operating Equipment		(a) <u>Replacement</u> (Cont'd.)
			8 - 75' lengths, 2½" dia. #500 Fire Hose complete with couplings (all W.W.) 1,400
			Total Replacement <u>\$48,540</u>
			(b) <u>Additional</u>
			1 - Stihl Quick Cut Concrete saw Model TS08 (all W.W.) 450
			1 - Wacker Rammer Compactor with Gasoline engine, Model BS.60Y. 70% Water Works Share 1,365
			1 - All Weather Cab for Backhoe 8764 complete with front and rear windshield wipers, cab heater and amber revolving flasher. 70% Water Works Share 1,750 (This machine was purchased from Dundas P.U.C. and was not fitted with a cab at the time of purchase).
			1 - Lodestar Electric Hoist Model R.R-CM for the hydrant repair shop (all W.W.). 1,750
			Total Additional <u>\$5,315</u>
			Replacement 48,540 Additional <u>5,315</u> \$53,855

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8329							
0200	Investigate Complaints and Locate Leaks	22,500	21,481	22,500		22,500	
0300	Inspection of System	60,000	52,999	62,000		62,000	
0400	Alterations Associated with Road Construction	14,300	14,310	15,500		15,500	
0500	Watermain Maintenance	332,420	547,082	328,500		328,500	
0600	Water Services Maintenance	615,000	785,227	584,000		584,000	
0700	Thawing Services	4,000	82,601	5,500		5,500	
0800	Turn On & Off, Etc.	19,200	24,564	21,500		21,500	
0900	Valve Maintenance	105,000	77,018	117,000		117,000	
1000	Valve Chamber Main- tenance	43,300	39,533	45,500		45,500	
1100	Hydrant Maintenance	114,000	136,337	115,500		115,500	
1200	Hydrant Inspection and Thawing	29,500	33,724	34,500		34,500	
1300	Hydrant Painting	12,000	10,012	12,000		12,000	
1400	Drinking Fountains	4,500	4,450	4,500		4,500	
1500	Replacement Services			90,000		90,000	
	TOTAL	<u>1,375,720</u>	<u>1,829,338</u>	<u>1,458,500</u>		<u>1,458,500</u>	
	TOTAL DISTRIBUTION SYSTEM	1,663,475	2,123,667	1,748,100	10,900	1,759,000	

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 15.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329	DISTRIBUTION SYSTEMCont'd.			
0200	Investigate Complaints and Locate Leaks	22,500	Monies required for the investigation of complaints as received and for the locating of leaks and breaks in the Water Works Systems. Salaries & Benefits 27% Equipment	\$19,500 3,000 <u>\$22,500</u>
0300	Inspection of System	62,000	Monies required for 5 inspectors to system- atically inspect the Water Works Distribution System.	
0400	Alterations Associated With Road Construction	15,500	Monies required for the inspection of plant for roadway reconstruction purposes and for the replacement of works found deteriorated during reconstruction. Salaries & Benefits 27% Equipment, Supplies & Granular	\$14,500 1,000 <u>\$15,500</u>
0500	Watermain Maintenance	428,500	Monies required for the repair of watermain leaks and breaks, cleaning and flushing approx- imately 40 miles of watermains and maintaining the Water Works Pipe Line. Salaries & Benefits 27% Equipment Supplies Granular	\$221,500 65,000 30,000 12,000
		*	Contractual Services if required.	
				<u>\$328,500</u>

See Change Sheet

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 15.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM.....Cont'd.....		
0600	Water Service Maintenance	584,000	<p>We anticipate the following maintenance requirements during 1978:</p> <ol style="list-style-type: none"> 1. Repair approximately 700 water service leaks. 2. Renew approximately 100 water services. 3. Abandon approximately 200 water services. 4. Adjust and/or repair 2500 service barrels. 5. Replace approximately 2300 service box covers. 6. Provide proportion of costs for Duty Foreman, Troubleman and Supervision. <p>Salaries and Benefits 27% \$453,500 Equipment 70,500 Supplies 35,000 Granular 25,000</p> <p>* Contractual Service if required. \$584,000</p> <p>See Change Sheet</p>
0700	Thawing Services	5,500	<p>We expect to be required to thaw a minimum of 50 Water Services but the total required will depend on the severity of the winter.</p> <p>Salaries & Benefits 27% \$4,000 Equipment 1,500</p> <p>* Contractual Services if required. \$5,500</p> <p>See Change Sheet</p>

1978 CURRENT BUDGET

DIVISION: Water Works

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PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329	DISTRIBUTION SYSTEM....Cont'd.....			
0800	Turn On & Off, Etc.	21,500	Monies required to turn water off and on as requested and to take Poor Pressure Flow Tests as required.	
			Salaries and Benefits 27%	\$18,500
			Equipment	3,000
			Supplies	-----
				\$21,500
0900	Valve Maintenance	117,000	The following work will be required during 1978:	
			1. Work all valves in the various systems at least once - approximately 8500 valves.	
			2. Renew valves and replace assemblies as required.	
			3. Replace up to 1200 valve glands.	
			4. Replace approximately 400 valve cover centres.	
			5. Notify consumers and arrange shut down as required.	
			Salaries and Benefits 27%	\$98,000
			Equipment	9,000
			Supplies	10,000
				\$117,000

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 15.iv.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM.....Cont'd.....		
1000	Valve Chamber Maintenance	45,500	<p>The following work will probably be required during 1978:</p> <ol style="list-style-type: none">1. Rebuild approximately 15 chambers.2. Repair approximately 30 chambers.3. Reset approximately 100 frames and covers.4. Clean out approximately 160 chambers.5. Repair and/or replace approximately 50 valve boxes. <p>Salaries & Benefits 27% \$36,000 Equipment 2,000 Supplies 7,000 Granular 500 <u>\$45,500</u></p>

1978 CURRENT BUDGET

DIVISION: Water WorksPAGE 15.v.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM.....Cont'd.		
1100	Hydrant Maintenance	115,500	<p>The following work will probably be required during 1978:</p> <ol style="list-style-type: none"> 1. Replace approximately 70 hydrants. 2. Renew approximately 60 Drainage Beds. 3. Change and Recondition approximately 450 hydrant barrels and assemblies. 4. Repair approximately 150 hydrants in location. <p>Salaries and Benefits \$76,000 Equipment 4,000 Supplies 35,000 Granular 500 <u>\$115,500</u></p>
1200	Hydrant Inspection and Thawing	34,500	<p>The following work will be required during 1978:</p> <ol style="list-style-type: none"> 1. Fall inspection & servicing of 8550 fire hydrants. 2. Inspection for frost as required during winter. 3. Thaw out up to 800 hydrants as required. <p>Salaries and Benefits \$30,000 Equipment 2,500 Supplies 2,000 <u>\$35,500</u></p>

1978 CURRENT BUDGET

DIVISION: Water WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance

PAGE 15.vi.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329	DISTRIBUTION SYSTEM.....Cont'd.			
1300	Hydrant Painting	12,000	Clean & Repaint approximately 2700 Fire Hydrants (Present system allows for repainting every four years). Contractual Services Salaries and Benefits	\$8,000 4,000 \$12,000
1400	Drinking Fountains	4,500	Clean, paint and overhaul approximately 70 drinking fountains. Install and remove fountains as required. Repair damages while in service and maintain chambers and drains. Salaries and Benefits Equipment Supplies	\$3,500 500 500 \$4,500
<u>NEW ACCOUNT</u>				
1500	Replacement Inadequate Services	90,000	Monies required for the replacement of approximately 180 - 1/2" diameter service connections where owners receive less than 4 G.P.M. and replace private services at their own cost. Salaries and Benefits Equipment Supplies Granular	\$65,000 10,000 10,000 5,000 \$90,000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1978 CURRENT BUDGET
PRELIMINARY FORECAST - DETAIL - CHANGE IN SERVICE

DEPARTMENT: Engineering FORM 3
DIVISION: Water Works
SECTION: Maintenance PAGE 15.vii.

ACCOUNT NO.	DESCRIPTION	1978 CHANGE IN SERVICE	COMMENTS
8329-05	Watermain Maintenance	100,000	Amount required to provide for additional assistance from private contractors in the event of abnormally severe winter weather.
8329-06	Water Service Maintenance	50,000	Amount required to provide for additional assistance from private contractors in the event of abnormally severe winter weather.
8329-07	Thawing Services	60,000	Amount required to provide for additional assistance from private contractors and for rental of additional generators and equipment in the event of abnormally severe winter weather.
	TOTAL	210,000	NOTE: This amount is not budgeted, but will be required in the event of a winter similar to the winter of last year.

1978 CURRENT BUDGET

DIVISION: Water WorksELIMINARY FORECAST - DETAIL - CHANGE IN SERVICESECTION: MaintenancePAGE 15.viii.

ACCOUNT NO.	DESCRIPTION	1978 CHANGE IN SERVICE	COMMENTS
<u>NEW ACCOUNT</u>			
8329-1500	Replacement of Inadequate Services	90,000	Monies required for the replacement of approximately 180 - 1/2" diameter service connections where owners receive less than 4 G.P.M. and replace private services at their own cost. This expense was previously included in 8329-06.

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER METERS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8330-01	<u>ADMINISTRATION</u>						
01	Salaries, Wages and Benefits	66,000	64,984	66,200		66,200	
27	Protective Clothing	2,500	1,685	3,000		3,000	
31	R/M Tools & Equipment	1,500	884	2,000		2,000	
33	R/M Buildings & Grounds	800	129	800		800	
73	Replacement Tools	1,000	1,179	1,500		1,500	
74	Operating Equipment	10,800	9,464	7,500		7,500	
75	New Meters	140,000	131,226	145,000		145,000	
	TOTAL	<u>222,600</u>	<u>209,551</u>	<u>226,000</u>		<u>226,000</u>	

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 16.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Meters

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8330	WATER METERS			
01				
01	Salaries, Wages and Benefits	66,200	Salaries and wages for the Water Meter Supervisor, and three clerks. Employee Benefits	\$52,400 13,800 \$66,200
27	Protective Clothing	3,000	Monies required for the purchase of uniforms and for the provision of protective clothing and equipment and safety boots.	
31	R/M Tools and Equipment	2,000	Monies required for the maintenance of small tools and equipment.	
33	R/M Buildings and Grounds	800	Required for repair and maintenance of the Water Meter Office and Repair Shop buildings at Woodward Avenue.	
73	Replacement Tools	1,500	Monies required for the replacement of worn out small tools and equipment.	
74	Operating Equipment	7,500	(a) <u>Replacement</u>	
			1 - Valve Box Locator	\$100
			2 - CN12U Redi Line Motor Generators	1,000
				<u>\$1,100</u>
			Replacement =	\$1,100

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 16.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Water Meters

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8330=01	WATER METERS.....Cont'd.....		
74	Operating Equipment.....cont'd....		(b) <u>Additional</u> The following equipment is required for Water Meter repair and installation purposes. 1 - 1/2" Model 3 GPD Hammer Drill \$250 1 - Storex Lateral Cabinet complete with card trays. 450 1 - C.H.L. Royalene Degreasing Unit 3,000 1 - Sand Blast Unit 1,200 1 - Air Compressor to provide air supply for Sand Blast. 1,500 \$6,400 Replacement \$1,050 Additional 6,400 \$7,450
75	New Meters	145,000	Monies required for the purchase of Water Meters for Industrial, Commercial and Resi- dential use as required, complete with Remote Totalizers.

1978 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER METERS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
8330							
0200	Meter Installation	263,500	264,330	261,300		261,300	
0300	Meter Reading	110,500	93,644	102,200		102,200	
	TOTAL	<u>374,000</u>	<u>357,974</u>	<u>363,500</u>		<u>363,500</u>	
	TOTAL WATER METERS	<u>596,600</u>	<u>567,525</u>	<u>589,500</u>		<u>589,500</u>	

1978 CURRENT BUDGET

DIVISION: Water Works

PAGE 17.i.

SECTION: Water MetersPRELIMINARY FORECAST - EXPENDITURE DETAIL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8330	WATER METERS.....Cont'd.....			
0200	Meter Installation and Repair	261,300	Monies required for the Repair, Installation and removal of Water Meters & Remote Total- izers as required during 1978. Salaries and Benefits 27% Vehicles Operating Supplies	\$228,800 16,500 <u>16,000</u> \$261,300
0300	Meter Reading	102,200	Monies required for 4 Regular Meter Readers. Salaries & Benefits 27% Vehicles Supplies	\$65,200 1,000 2,000 <u>\$68,200</u>
0319	Meter Reading		Dundas P.U.C. and Ontario Hydro charges for reading in Dundas, Ancaster, Waterdown and Carlisle.	<u>\$34,000</u>

SEWAGE WORKS

PROJECTED SEWAGE WORKS REVENUEFOR YEAR 1978

ACCOUNT DESCRIPTION	APPROVED BUDGET	PROBABLE ACTUAL	PROJECTED REVENUE NO INCREASE	PROJECTED REVENUE BASED ON 6% INCREASE	1979 BUDGET
<u>SURCHARGE - METERED</u>					
Ancaster	47,220	56,435	65,000	68,000	
Dundas	275,530	266,979	267,000	282,000	
Flamborough	31,660	27,415	43,000	45,000	
Hamilton	6,489,350	6,171,031	6,725,000	7,010,000	
Stoney Creek	378,850	288,643	335,000	350,000	
Total	<u>7,222,610</u>	<u>6,810,503</u>	<u>7,435,000</u>	<u>7,755,000</u>	
<u>SURCHARGE - NON-METERED</u>					
Hamilton	3,016,370	2,989,441	2,980,000	3,150,000	
Stoney Creek	121,100	121,100	136,500	136,500	
Total	<u>3,137,470</u>	<u>3,110,541</u>	<u>3,116,500</u>	<u>3,286,500</u>	
<u>CONDITIONAL GRANTS - PROVINCIAL</u>					
General Support			600,000	600,000	
<u>OTHER REVENUES</u>					
Local Improvements	75,000	70,000	70,000	70,000	
Licences & Permits	60,000	76,476	75,000	75,000	
Rentals & Leases	3,000	12,492	15,000	15,000	
Penalties & Discount Forfeited	60,000	56,326	100,000	100,000	
Sale of Steam	45,000	81,583	80,000	80,000	
Other	15,000	13,028	15,000	15,000	
	<u>258,000</u>	<u>309,905</u>	<u>355,000</u>	<u>355,000</u>	
Surplus	(214,580)				
TOTAL REVENUES:	<u>10,403,500</u>	<u>10,230,949</u>	<u>11,506,500</u>	<u>11,996,500</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9321	Administration	368,865	446,905	420,200		420,200	
9322	General Expenses	283,300	327,755	347,800	5,000	352,800	
9323	Industrial Wastes	124,600	121,306	126,500		126,500	
9324	Pumping Stations	106,631	79,996	93,300		93,300	
9325	Sewage Treatment	3,120,692	3,310,211	3,271,000	106,700	3,377,700	
9329	Sewer Maintenance	461,405	395,960	447,800		447,800	
	Contingency	72,740		200,000		200,000	
	Total - Operating Expenditures	<u>4,538,233</u>	<u>4,682,133</u>	<u>4,919,500</u>	<u>111,700</u>	<u>5,031,200</u>	
9326	Debenture Debt - Principal & Interest	4,979,000	4,716,813	5,228,700	320,000	5,548,700	
9327	Provision for Capital Projects - Transfer To Reserve.				311,600	311,600	
9328	Capital Projects - from Current Funds	<u>875,000</u>	<u>877,236</u>	<u>1,105,000</u>		<u>1,105,000</u>	
	Total	<u>5,854,000</u>	<u>5,594,049</u>	<u>6,333,700</u>	<u>631,600</u>	<u>6,965,300</u>	
	TOTAL SEWAGE WORKS	<u>10,392,233</u>	<u>10,276,182</u>	<u>11,253,200</u>	<u>743,300</u>	<u>11,996,500</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9321-01							
01	Salaries, Wages & Benefits	311,265	275,812	296,500		296,500	
11	Communications	3,000	2,050	3,000		3,000	
12	Advertisements			2,000		2,000	
13	HMRP - Deficiency	50,000	181,683	100,000		100,000	
21	Office Supplies	8,500	7,844	9,000		9,000	
27	Protective Clothing	1,500	212	1,500		1,500	
33	R/M - Office Equipment	500	(3)	500		500	
81	Rental - Car Pool	3,000	2,189	3,000		3,000	
87	Rent	25,000	8,781	41,600		41,600	
91	Travelling	1,900	486	1,900		1,900	
94	Staff Training & Expenses	2,200	1,780	2,200		2,200	
98	Payments - Agreements	2,000	6,071	4,000		4,000	
	TOTAL (ADMINISTRATION)	408,365	486,905	465,200		465,200	
	Charge Back to Land Drainage	40,000	40,000	45,000		45,000	
	TOTAL	368,865	446,905	420,200		420,200	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSSECTION: ADMINISTRATION

PAGE 3.1.

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9321	ADMINISTRATION			
01				
01	Salaries, Wages & Benefits	296,500	Salaries, wages of existing administrative staff attributable to sewage works.	\$246,500
			Employee Benefits	41,000
			Sewage Works Share of cost of providing 24-hour telephone service by City Clerks Department	9,000
				<u>\$296,500</u>
11	Communications	3,000	Cost of telephones in Sewer Maintenance Section, S.T.P., and Pumping Stations.	
12	Advertisements	2,000	Cost of advertisements for personnel, road closings, By-laws, contracts, etc.	
13	H.M.R.F.	100,000	Required to pay Sewage Works portion of H.M.R.F. deficiency.	
21	Office Supplies	9,000	Office printing and drafting supplies for the year.	
27	Protective Clothing	1,500	Supply of safety boots and uniforms to foremen and employees as per union agreement.	
33	R/M - Office Equipment	500	Repairs to office chairs and equipment, sewer maintenance offices.	
87	Rent	41,600	Rental of Sewer Maintenance Yards from Yards from Hamilton, Stoney Creek and Dundas. City Hall & Communications-Sewage Share	\$10,000
				<u>31,600</u>
				<u>\$41,600</u>

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 3.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9321	ADMINISTRATION.....Cont'd.....		
01			
98	Payments	4,000	This account includes payment for sewers undercrossing railways, and sewer easements. Increase because of bills now being received from C.N.R. and T. H. & B. railways.

DIVISION: SEWAGE WORKS

SECTION: GENERAL EXPENSES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9322-01							
42	Insurance	32,000	60,874	69,500		69,500	
50	Billing, Collection	100,500	106,500	116,300		116,300	
60	Hamilton Store Charges	18,000	23,076	23,000		23,000	
TOTAL		150,500	190,450	208,800		208,800	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPAGE 4.i.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: GENERAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9322	GENERAL EXPENSES		
01			
42	Insurance	69,500	General Insurance for sewer properties, plants, pump stations, etc.
50	Billing	116,300	Finance Department charges for collecting sewer surcharge.
60	Hamilton Store Charges	23,000	Sewage Works portion of Administration charges- Hamilton Stores.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9322							
0200	Preliminary Engineering	10,000	10,083	10,000		10,000	
0300	Inspection - Private Drains	53,300	53,288	56,000		56,000	
0400	Maintenance - Sewer Easements	2,500	2,350	3,000		3,000	
0500	Motor Vehicle Operations	17,000	24,538	20,000	5,000	25,000	
0600	Private Drain Repairs	30,000	29,990	30,000		30,000	
0800	Checking Plans	5,000	5,035	5,000		5,000	
0900	Investigating Complaints	5,000	2,059	3,000		3,000	
1000	Technical Services	10,000	9,962	12,000		12,000	
	TOTAL	<u>132,800</u>	<u>137,305</u>	<u>139,000</u>	<u>5,000</u>	<u>144,000</u>	
	TOTAL (GENERAL EXPENSES)	<u>283,300</u>	<u>327,755</u>	<u>347,800</u>	<u>5,000</u>	<u>352,800</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 5.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: GENERAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9322	GENERAL EXPENSES			
0200	Preliminary Engineering	10,000	Salaries & wages of employees which salaries cannot be charged to a specific project.	
0300	Inspection - Private Drains	56,000	Required amount to cover cost of salaries & benefits and operation for the inspection of private drains installed by contractors.	
0400	Maintenance - Sewer Easements	3,000	Charges for cleaning, cutting weeds, etc. on sewer easements.	
0500	Motor Vehicle Operations	25,000	Garage charges for department vehicles and gas, oil, insurance, etc.	\$20,000
			1 - 1/2 Ton Pick-up Truck to replace #8108 which is in poor condition.	5,000
				\$25,000
0600	Private Drain Repairs	30,000	Region is responsible for repair of private drain connections from street line to the main sewer.	
0800	Checking Plans	5,000	Cost of checking plans and counter work, which work is performed by drafting personnel whose salaries are not distributable.	
0900	Investigating Complaints	3,000	Salaries for distributable salaried employees investigating sewer complaints.	
1000	Technical Services	12,000	T.V. sewer inspection: Service required to assess condition of existing systems for reconstruction purposes.	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: INDUSTRIAL WASTES CONTROL

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9323-01	<u>Industrial Wastes Control</u>						
01	Salaries, Wages & Benefits	84,300	91,395	87,000		87,000	
19	Laboratory Services	22,000	22,300	27,200		27,200	
23	Operating Supplies	2,500	2,382	2,500		2,500	
27	Protective Clothing	800	518	800		800	
61	Spill Control	5,000	35	5,000		5,000	
75	Operating Equipment	10,000	6,065	4,000		4,000	
	Industrial By-Law Study		(1,389)				
	TOTAL	<u>124,600</u>	<u>121,306</u>	<u>126,500</u>		<u>126,500</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 6.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: INDUSTRIAL WASTES CONTROL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9323-01	INDUSTRIAL WASTE CONTROL			
01	Salaries, Wages & Benefits	87,000	Cost of labour by Superintendent and four inspectors.	\$72,500
			Employee Benefits	<u>14,500</u>
				\$87,000
19	Laboratory Services	27,200	Amount requested by Regional Laboratory for services during 1978.	
23	Operating Supplies	2,500	Purchase of dyes, sample bottles, small tools, etc.	
27	Protective Clothing	800	Rental and cleaning of uniforms; purchase of safety boots, parkas, etc.	
61	Spill Control	5,000	Cost of maintaining and pumping oil from sewer outfall booms; cleanup of spills, etc.	
75	Operating Equipment	4,000	Repair, replacement, additional purchases of samplers, flow recorders, safety equipment, etc.	\$4,000

DIVISION: SEWAGE WORKS

SECTION: PUMPING STATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9324-01	Sewage Pumping Stations - Hamilton						
01	Salaries, Wages & Benefits	24,821	18,969	20,500		20,500	
13	Water	2,000	299	1,000		1,000	
14	Power	18,000	11,183	17,000		17,000	
15	Fuel	2,000	1,702	2,500		2,500	
31	R/M Equipment	7,300	4,415	14,000		14,000	
33	R/M Buildings & Grounds	7,500	1,269	4,000		4,000	
75	Operating Equipment		(35)				
	TOTAL	61,621	37,802	59,000		59,000	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: PUMPING STATIONPAGE 7.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9324-01	SEWAGE PUMPING STATIONS			
01	Salaries, Wages & Benefits	20,500	Portion of maintenance labour costs allocated to sewage pumping stations. Employee Benefits	\$17,100 <u>3,400</u> \$20,500
13	Water	1,000	Water rates and sewer surcharge for pumping stations.	
14	Power	17,000	Hydro supply to sewage pumping stations.	
15	Fuel	2,500	Fuel for stand-by power and space heating.	
31	R/M - Equipment	14,000	1) Routine maintenance of mechanical and electrical equipment. 2) Replacement impellers and sleeves for Station S-H3 pumps.	\$7,000 <u>7,000</u> \$14,000
33	R/M - Buildings & Grounds	4,000	Routine maintenance - cleaning materials, paint, hardware, etc.	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: PUMPING STATIONS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9324-02	<u>Sewage Pumping Stations - Ancaster</u>						
01	Salaries, Wages & Benefits	11,810	11,211	10,300		10,300	
13	Water	1,000	128	1,000		1,000	
14	Power	8,000	11,071	20,000		20,000	
15	Fuel	400		500		500	
31	R/M Equipment	13,300	10,871	5,000		5,000	
33	R/M Buildings & Grounds	6,000	5,003	2,500		2,500	
75	New Equipment	4,500	3,910				
	TOTAL	<u>45,010</u>	<u>42,194</u>	<u>34,300</u>		<u>34,300</u>	
	TOTAL PUMPING STATIONS	<u>106,631</u>	<u>79,996</u>	<u>93,300</u>		<u>93,300</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 8.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: PUMPING STATIONS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9324-02	SEWAGE PUMPING STATIONS (ANCASTER)			
01	Salaries, Wages & Benefits	10,300	Portion of maintenance labour costs allocated to Ancaster Sewage Pumping Stations. Employee Benefits	\$8,600 <u>1,700</u> \$10,300
13	Water	1,000	Water rates and sewer surcharge for pumping stations.	
14	Power	20,000	Hydro supply to Ancaster sewage pumping stations; increase due to station operating for longer periods of time as serviced popu- lation increases.	
15	Fuel	500	Fuel for stand-by power.	
31	R/M - Equipment	5,000	1) Routine maintenance of mechanical and electrical equipment. 2) One spare submersible pump AFP-7.	\$3,000 <u>2,000</u> \$5,000
33	R/M - Buildings & Grounds	2,500	1) Routine maintenance - cleaning materials, paint, hardware, etc. 2) Installation of fences around Ancaster Pumping Station to discourage vandalism. (\$5,000 carried over from 1977)	\$2,000 <u>500</u> \$2,500

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9325-01	<u>S.T.P. Hamilton</u>						
01	Salaries, Wages & Benefits	1,293,671	1,507,331	1,378,800	25,200	1,404,000	
13	Water	35,000	62,139	60,000		60,000	
14	Power	405,000	432,101	513,000		513,000	
15	Fuel	429,500	309,119	432,000		432,000	
19	Laboratory Services	96,000	90,602	110,600		110,600	
23	Chemicals	150,000	186,154	272,000		272,000	
27	Protective Clothing	14,000	13,469	16,000		16,000	
31	R/M Equipment	195,000	193,065	149,700		149,700	
32	Horticultural Services	16,000	16,900	17,000		17,000	
33	R/M Buildings & Grounds	125,000	156,448	64,000		64,000	
61	Sludge Haulage	4,000	5,897	7,500		7,500	
75	New Equipment	107,200	85,455	10,500		10,500	
	TOTAL	<u>2,870,371</u>	<u>3,058,680</u>	<u>3,031,100</u>	<u>25,200</u>	<u>3,056,300</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 9.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01	SEWAGE TREATMENT PLANT (Hamilton)		
01	Salaries, Wages & Benefits	1,404,000	Salaries and wages for operating staff plus share of maintenance labour costs. \$1,170,000 Employee Benefits 234,000 \$1,404,000
			Share of 3 additional maintenance men included - 25,200
13	Water	60,000	Water rates and sewer surcharge for S.T.P. and Nash Road Chlorine Station.
14	Power	513,000	Hydro supply to S.T.P. and chlorine station. 8% rate increase anticipated.
15	Fuel	432,000	1) Natural gas supply to incinerators and boilers; 5% rate increase anticipated. Usage in 1978 is expected to be substan- tially higher than in 1977 as incinerators will be operated for longer periods; incinerators not in use for 3 months in 1977. \$427,000 2) Fuel oil for stand-by power. 5,000 \$432,000
19	Laboratory Service	110,600	Amount requested by Regional Laboratory for services during 1978.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 2.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325-01	SEWAGE TREATMENT PLANT (Hamilton).....Cont'd.....			
23	Chemicals	272,000	8% rate increase anticipated, also increase in solids loading due to sludge from Dundas, and Waterdown being treated at Woodward Avenue S.T.P.	
27	Protective Clothing	16,000	Rental and cleaning of uniforms; purchase of safety boots, parkas, etc., 82 men (55 operators, 27 maintenance) @ \$200. each.	
31	R/M - Equipment	149,700	1) Routine maintenance of mechanical and electrical equipment - 1977 appropriation plus 6%.	\$69,600
			2) Replacement of 44 flotation unit skimmer blades.	1,600
			3) Spare parts for incinerator ash slurry pumps.	5,000
			4) Modify seals in sludge pumps and rebuild pistons (estimated savings after modification = \$2,000./year).	7,500
			5) Mechanical seals for two filtrate pumps.	1,000
			6) Replacement of galvanized bed plates on sludge conveyor.	1,000

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPAGE 9.iii.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325-01	SEWAGE TREATMENT PLANT (Hamilton).....Cont'd.....			
31	R/M - Equipment (Cont'd)		7) Overhaul of 12 primary digester mixer.	15,000
			8) 2,000 ft.- 720S chain for one primary clarifier.	17,000
			9) Spare parts for aerator gearboxes.	10,000
			10) Recorder charts and ink supplies.	2,000
			11) Boiler room maintenance.	9,000
			12) Replacement of 48 sprockets, 32 swivel bearings, 16 shafts on secondary clarifier sludge removal mechanism.	11,000
32	Horticultural Services	17,000	Cost of horticultural services.	
33	R/M - Buildings & Grounds	64,000	1) Routine maintenance - cleaning materials, paint, hardware, glass, lighting supplies, etc. 1977 cost plus 6% = \$12,720.	13,000
			2) Painting of railings in Aeration area.	50,000
			3) Installation of structures to reduce possibility of "Inerteen" entering watercourse (6 transformers).	10,000
			4) Construction of two access roads to primary clarifiers, for use by scum tankers.	2,000

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 9.iv.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325-01	SEWAGE TREATMENT PLANT (Hamilton).....Cont'd.....			
61	Sludge Haulage	7,500	1) Maintenance of grit and screenings disposal area.	3,000
			2) Removal of scum to landfill site (new policy to reduce problems of plugged scum lines and accumulation in digesters).	4,500
75	New Equipment	10,500	1) One 6" submersible trash pump for draining clarifiers, etc.	4,500
			2) Replacement of portable electrical test equipment (15 years old and in poor condition).	1,500
			3) Compact car to replace truck - unsafe and uneconomical to operate.	4,500

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9325-02	<u>S.T.P. Dundas</u>						
01	Salaries, Wages & Benefits	92,350	113,265	104,700	12,300	117,000	
13	Water	1,000	930	1,100		1,100	
14	Power	12,000	12,107	15,000	2,000	17,000	
15	Fuel	4,000	3,574	4,900		4,900	
19	Laboratory Services	5,000	10,599	5,000		5,000	
23	Chemicals	9,000	5,346	9,700		9,700	
27	Protective Clothing	1,000	509	1,300		1,300	
31	R/M Equipment	9,000	12,000	7,900		7,900	
33	R/M Buildings & Grounds	1,300	962	6,400		6,400	
39	Nutrient Removal	16,000	16,202	17,000		17,000	
61	Sludge Haulage	37,000	20,834	20,000	40,000	60,000	
	TOTAL	<u>187,650</u>	<u>193,328</u>	<u>193,000</u>	<u>54,300</u>	<u>247,300</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 10.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325-02	SEWAGE TREATMENT PLANT (Dundas)			
01	Salaries, Wages & Benefits	117,000	Salaries and wages for operating staff plus share of maintenance labour costs.	\$87,200
			Employee Benefits	17,500
			3 additional operators for the last 3 months of year for expanded plant.	<u>12,300</u>
				\$117,000
13	Water	1,100	Water rates and sewer surcharge for S.T.P.	
14	Power	17,000	Hydro supply to S.T.P. 1977 probable actual- \$13,500; 8% rate increase anticipated; additional \$2,000. required for 3 months operation of expanded plant.	
15	Fuel	4,900	Supply of gas for digester and building heating.	
19	Laboratory Services	5,000	Amount requested by Regional Laboratory for services during 1978.	
23	Chemicals	9,700	Supply of chlorine, laboratory chemicals, deodorants, etc.	
27	Protective Clothing	1,300	Rental and cleaning of uniforms; purchase of safety boots, parkas, etc.	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPAGE 10.ii.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-02	SEWAGE TREATMENT PLANT (Dundas).....Cont'd.....		
31	R/M - Equipment	7,900	Routine maintenance of electrical and mechanical equipment.
33	R/M - Buildings	6,400	1) Routine maintenance - cleaning materials, paint, hardware, glass, lighting supplies, etc. \$1,400
			2) Repairs to handrailing, presently in poor condition and very dangerous. 5,000 \$6,400
39	Nutrient Removal	17,000	Purchase of aluminum sulphate for phosphorus removal.
61	Sludge Haulage	60,000	Ministry of the Environment has directed that all sludge be hauled to Woodward Avenue S.T.P. in 1978 instead of disposal on local farmlands. Increased haulage distance will result in higher costs.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9325-03	<u>S.T.P. Waterdown</u>						
01	Salaries, Wages & Benefits	33,171	34,844	24,300	16,700	41,000	
13	Water	3,500	349	1,000		1,000	
14	Power	4,200	3,633	3,900		3,900	
15	Fuel	500		500		500	
19	Laboratory Services	5,000	5,599	5,000		5,000	
23	Chemicals	3,600	1,858	3,000		3,000	
27	Protective Clothing	200	100	400		400	
31	R/M Equipment	4,000	4,474	2,700		2,700	
33	R/M Buildings & Grounds	1,500	124	1,600		1,600	
61	Sludge Haulage	7,000	4,222	4,500	10,500	15,000	
	TOTAL	62,671	55,203	46,900	27,200	74,100	
	TOTAL SEWAGE TREATMENT	3,120,692	3,310,211	3,271,000	106,700	3,377,700	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 11.1.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWAGE TREATMENT

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-03	SEWAGE TREATMENT PLANT (Waterdown)		
01	Salaries, Wages & Benefits	41,000	Salaries and wages for plant operator, plus share of maintenance labour costs. \$20,200
			Employee Benefits 4,100
			Additional Operator I 16,700
			<u>\$41,000</u>
13	Water	1,000	Water rates and sewer surcharge.
14	Power	3,900	Hydro supply to S.T.P.
15	Fuel	500	Natural gas for building heating.
19	Laboratory Services	5,000	Amount requested by Regional Laboratory for services during 1978.
23	Chemicals	3,000	Supply of chlorine.
27	Protective Clothing	400	Purchase of uniforms for plant operators,
31	R/M - Equipment	2,700	Routine maintenance of electrical and mechanical equipment.
33	R/M - Buildings & Grounds	1,600	Routine maintenance of buildings and grounds.
61	Sludge Haulage	15,000	Ministry of the Environment has directed that all sludge be hauled to the Woodward Avenue S.T.P. in 1978, instead of disposal on local farmlands.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: DEBENTURE DEBT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9326-02	<u>Debenture Debt</u>						
43	Debt Charges	4,602,000	4,356,869	4,861,700	320,000	5,181,700	
9326-03							
40	Payment to M.O.E. Ancaster Agreement	250,000	250,000	250,000		250,000	
41	Payment to M.O.E. Saltfleet Agreement	80,000	62,944	71,000		71,000	
42	Re-Payment to Reserve for payments made to M.O.E. for Waterdown Sewage Treatment Plant	47,000	47,000	46,000		46,000	
TOTAL (DEBENTURE DEBT)		<u>4,979,000</u>	<u>4,716,813</u>	<u>5,228,700</u>	<u>320,000</u>	<u>5,548,700</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: CAPITAL PROJECTS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
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9327-01	<u>Provision for Capital Project</u>						
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	Transfer to Reserve						
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311,600

311,600

TOTAL CAPITAL PROJECTS	<u> </u>	<u> </u>	<u> </u>	<u> </u>
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311,600

311,600

DIVISION: SEWAGE WORKS

SECTION: CAPITAL PROJECTS
FROM CURRENT FUNDS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9328							
0300	Minor Sewage Works	500,000	502,163	750,000		750,000	
0500	Sewage Works Associated with Subdivisions	300,000	300,066	300,000		300,000	
	Specific Projects	75,000	75,000	55,000		55,000	
		,					
	TOTAL	875,000	877,236	1,105,000		1,105,000	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPAGE 14.i.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: CAPITAL PROJECTS FROM
CURRENT FUNDS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9328-0300	Minor Sewage Works	750,000	Region's cost associated with sanitary sewers initiated under the L.I.A. & other minor works.
	<u>1978 Specific Projects</u>	55,000	<div>1) Rosemary & Wentworth Streets - Automated Control Gate to eliminate manual operation of control gate during rain storms and improve interception of sanitary sewage. \$40,000</div> <div>2) Infiltration Study - Dundas: To continue work of locating sources of storm water entering King Street S.T.P. 10,000</div> <div>3) Report on Instrument Metrification: To prepare specifications and estimates to convert instruments in all sewage facilities to international standard units. <u>5,000</u></div>
			\$55,000

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWER MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9329-01	<u>General</u>						
01	Salaries, Wages & Benefits	51,305	64,684	64,200		64,200	
15	Utilities - Fuel and Hydro	800	671	500		500	
27	Uniforms, Protective Clothing & Safety Boots	6,500	3,549	6,500		6,500	
31	R/M Tools & Equipment	3,000	2,823	3,000		3,000	
33	Repair & Maintenance, Buildings			800		800	
73	Replacement Tools	4,000	2,684	4,000		4,000	
75	Operating Equipment	28,700	29,549	20,000		20,000	
	TOTAL	<u>94,305</u>	<u>103,960</u>	<u>99,000</u>		<u>99,000</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS PAGE 15.i.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9329	SEWER MAINTENANCE			
01				
01	Salaries, Wages & Benefits 30% Sewer Share	64,200	Share of monies required for salaries and benefits for Sewer Maintenance: Administrative Personnel	55,300
			Employee Benefits	<u>8,900</u>
				<u>64,200</u>
15	Utilities - Fuel and Hydro 30% of Sewer Share	500	Monies required for the Sewer Maintenance share of Fuel oil and Hydro supplies at the Queenston Road Yard.	
27	Uniforms, Protective Clothing and Safety Boots	6,500	Monies required for the supply of Proctive Clothing, Safety Boots, and Uniforms to Sewer Maintenance Personnel.	
31	R/M Tools and Equipment	3,000	This amount will probably be required for the repair of Sewer Maintenance tools and small equipment.	
33	New Account #9329-0133		See Change Sheet	
73	Replacement Tools	4,000	Monies required for the replacement of worn out tools as required	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1978 CURRENT BUDGET
RELIMINARY FORECAST - DETAIL - CHANGE IN SERVICE

DEPARTMENT: Engineering
DIVISION: Environmental Services
SECTION: Sewer Maintenance

FORM 3

PAGE 15.ii.

COUNT NO.	DESCRIPTION	1978 CHANGE IN SERVICE	COMMENTS
329-0133	Repair and Maintenance Buildings 30% Sewer Share	800	Monies required for cleaning floors at 125 Barton Street West and for building and furnace maintenance and repair at Queenston Road Yard.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

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PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE....Cont'd....		
01			
75	Operating Equipment		(a) <u>Replacement Equipment Required</u>
	Sewer Maintenance Share	20,000	Sewer Maintenance Share of Replacement Equipment as detailed in Account 8329- 0175.
			30% Share of Replacing:-
			1 - 3/4 ton truck 8763 \$1,170
			1 - 20,000 G.V.W. Dump 8506 3,600
			1 - Van Type Truck 8755 1,650
			1 - Hydraulic Backhoe 8782 4,500
			1 - 4 Door Sedan 8722 1,650
			1 - 170 CFM Compressor 8604 2,790
			1 - 16000 G.V.W. Dump 8503 2,550
			3 - Thor Pavement Breakers 700
			\$18,610
			(b) <u>Additional Equipment</u>
			Sewer Maintenance Share of Additional Equipment as detailed in Account 8329- 0175.
			30% Share of cost for:-
			1 - Wacker Rammer Compactor \$ 630
			1 - All weather Cab for Backhoe 8764 760
			\$1,390
			Total Replacement \$18,610
			Total Additional 1,390
			<u>\$20,000</u>

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SANITARY SEWER MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9329							
7000	Reconstruct Manholes and Restore Pavement Cuts	17,200	15,512	13,000		13,000	
7100	Manhole Repairs	42,000	38,422	28,500		28,500	
7200	Investigate Complaints	29,500	16,506	16,500		16,500	
7300	Sewer Repairs	8,000	4,829	9,000		9,000	
7600	Sewer Investigations	81,000	77,414	74,000		74,000	
7700	Sewer Cleaning	31,500	8,065	30,000		30,000	
7800	Sewer Flushing	28,600	13,899	21,000		21,000	
7900	Combined Sanitary Maintenance	129,300	117,353	156,800		156,800	
	TOTAL	<u>367,100</u>	<u>292,000</u>	<u>348,800</u>		<u>348,800</u>	
	TOTAL SANITARY SEWER MAINTENANCE	<u>461,405</u>	<u>395,960</u>	<u>447,800</u>		<u>447,800</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SANITARY SEWER MAINTENANCEPAGE 16.i.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCECont'd.....		
7000	Reconstruct Manholes	13,000	Monies required for the replacement of manholes found in poor condition during road reconstruction and for the restoration of pavement cuts. Contractual Service \$13,000
7100	Manhole Repairs	28,500	This amount will probably be required to maintain and repair sanitary sewer manholes during 1978. Salaries & Benefits 27% \$25,000 Equipment 1,000 Supplies and Granular 2,500 \$28,500
7200	Investigate Complaints	16,500	To provide funds for the investigation of all Sanitary Sewer System Complaints and for payment of Emergency Stand-by allowances. Salaries and Benefits 27% \$15,500 Equipment 1,000 \$16,500

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 16.ii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SANITARY SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9329	SANITARY SEWER MAINTENANCE.....Cont'd.....			
7300	Sewer Repairs	9,000	This amount will probably be required to repair sewers found broken during our inspection process.	
			Salaries and Benefits 27%	\$5,500
			Equipment	1,500
			Supplies	1,000
			Granular	1,000
				<u>\$9,000</u>
7600	Sewer Investigations	74,000	This amount will probably be required for the routine inspection of Sanitary Sewers to provide information for repair, cleaning and flushing requirements.	
			Salaries and Benefits 27%	\$71,000
			Equipment	3,000
				<u>\$74,000</u>
7700	Sewer Cleaning	30,000	Monies required for the cleaning of sanitary sewers as required during 1978.	
			Salaries and Benefits 27%	\$20,000
			Equipment	10,000
				<u>\$30,000</u>

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKSPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SANITARY SEWER MAINTENANCEPAGE 16.iii.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE.....Cont'd.....		
7800	Sewer Flushing	21,000	Amount required to flush and remove sludge from sanitary sewers with high pressure equipment during 1978. Salaries and Benefits 27% \$17,000 Equipment 4,000 \$21,000
7900	Combined Sanitary Maintenance	156,800	This appropriation is required to offset the "Sanitary" share of Combined Sewer Maintenance costs. Salaries and Benefits 27% \$135,300 Equipment 18,000 Supplies 3,000 Granular 500 \$156,800

LAND DRAINAGE

1978 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9330	General	1,895,000	1,895,135	1,925,000		1,925,000	
	Pumping Station	14,500	10,113	11,000		11,000	
	Debenture Charges	815,000	682,511	1,117,100	60,000	1,177,100	
	Storm Sewer Maintenance	212,930	187,240	248,800		248,800	
	TOTAL LAND DRAINAGE	<u>2,937,430</u>	<u>2,774,999</u>	<u>3,301,900</u>	<u>60,000</u>	<u>3,361,900</u>	

Revenues:

Storm Sewer Subsidy

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: LAND DRAINAGE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9330	<u>General</u>						
0100	Administration Charges	40,000	40,080	45,000		45,000	
0300	Minor Storm Sewers & Rated Projects	1,100,000	1,105,055	1,100,000		1,100,000	
0400	Major Storm Sewers financed from Current Funds	400,000	400,000	400,000		400,000	
0500	Land Drainage associated with Subdivision Region's Share	350,000	350,000	350,000		350,000	
	Specific Projects	5,000		30,000		30,000	
	TOTAL	<u>1,895,000</u>	<u>1,895,135</u>	<u>1,925,000</u>		<u>1,925,000</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 2.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: LAND DRAINAGE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9330	LAND DRAINAGE		
0100	Administrative Charges	45,000	This charge includes salaries, supplies, draughtings, insurance, etc. associated with land drainage.
0300	Minor Storm Sewers financed from Current Funds	1,100,000	Region's share of storm sewers in Hamilton processed under L.I.A. and other minor works.
0400	Major Storm Sewers financed from Current Funds.	400,000	Money allocated to reduce the financing by debentures sewer projects in the Capital Budget.
0500	Land Drainage associated with Subdivision Region's Share.	350,000	Region's share of storm sewers in new subdivision.
	Specific Projects	30,000	<u>Princess Street and Birch Avenue</u> Construct approx. 130' of 21" storm sewer to eliminate existing hydrolic restriction and reduce basement flooding.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: LAND DRAINAGE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9330							
08	<u>Storm Pumping Stations</u>						
13	Water & Sewer Surcharge	1,000	435	1,000		1,000	
14	Power	5,000	3,753	5,000		5,000	
15	Fuel	2,500	3,190	3,500		3,500	
31	R/M Equipment	5,500	1,869	1,000		1,000	
33	R/M Building & Ground	500	510	500		500	
	Miscellaneous		356				
	TOTAL	<u>14,500</u>	<u>10,113</u>	<u>11,000</u>		<u>11,000</u>	
09	Debenture Charges	815,000	682,511	1,117,100	60,000	1,177,100	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 3.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: LAND DRAINAGE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9330	LAND DRAINAGE Cont'd.....		
08			
14	Power	5,000	Hydro supply to Station H1.
15	Fuel	3,500	Supply of gasoline for standby pumps, oil for space heating at Station H1.
31	R/M Equipment	1,000	Routine maintenance of mechanical and electrical equipment.
33	R/M Building and Grounds	500	Routine Building maintenance.
09	Debenture Charges	1,177,100	Debenture charges for storm sewers - Hamilton.

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: STORM SEWER MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9330							
7000	Reconstruct Manholes & Restore Pavement Cuts	9,000	4,359	12,000		12,000	
7100	Manhole Repairs	9,500	9,900	10,500		10,500	
7200	Investigate Complaints	2,000	329	2,500		2,500	
7300	Sewer Repairs	4,300	260	6,000		6,000	
7400	Regulators - Repairs and Operations	14,500	10,491	9,000		9,000	
7600	Sewer Investigations	25,800	19,537	27,000		27,000	
7700	Sewer Cleaning	15,330	15,338	18,500		18,500	
7800	Sewer Flushing	3,200	226	6,500		6,500	
7900	Combined Storm Maintenance	129,300	126,800	156,800		156,800	
	TOTAL (STORM SEWER MAINTENANCE)	<u>212,930</u>	<u>187,240</u>	<u>248,800</u>		<u>248,800</u>	
	TOTAL LAND DRAINAGE	<u>2,937,430</u>	<u>2,774,999</u>	<u>3,501,900</u>	<u>60,000</u>	<u>3,561,900</u>	

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS PAGE 4.i.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: STORM SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9330	LAND DRAINAGE Cont'd....		
7000	Reconstruct Manholes	12,000	Monies required for the replacement of Manholes found in poor condition during Road Reconstruction and for Restoration in Pavement Cuts.
			"Allowance for Contractual Service" 12,000
7100	Manhole Repairs	10,500	This amount will probably be required to maintain and repair Storm Sewer Manholes during 1978.
			Salaries 7,000
			Equipment 1,000
			Supplies, Granular <u>2,500</u>
			10,500
7200	Investigate Complaints	2,500	To provide funds for funds for the investigation of complaints relating to Storm Sewer Systems and for payment of Emergency Standby Allowances.
			Salaries 1,500
			Equipment and Supplies..... <u>1,000</u>
			2,500
7300	Sewer Repairs	6,000	This amount will probably be required to repair storm sewers found broken during our inspection process.
			Salaries 3,000
			Equipment..... <u>2,500</u>
			Supplies and Granular <u>500</u>
			6,000

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS PAGE 4.ii.PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: STORM SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9330	LAND DRAINAGE Cont'd....		
7400	Regulators - Repairs and Operations	9,000	Monies required for the routine maintenance of regulators as follows: 1. Cleaning and Greasing every 3 months. 2. Repairing Mechanisms as required and cleaning chambers. Salaries 8,000 Equipment 500 Supplies 500 9,000
7600	Sewer Investigations	27,000	Monies required for the Inspection of Storm Sewers to provide information for repair, cleaning and flushing requirements. Salaries 26,000 Equipment 1,000 27,000
7700	Sewer Cleaning	18,500	Monies required for the cleaning of Storm Sewers as required during 1978. Salaries 10,500 Equipment 8,000 18,500

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 4.iii.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: STORM SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9330	LAND DRAINAGE Cont'd.....		
7800	Sewer Flushing	6,500	Monies required to Flush and Remove Debris from Storm Sewers as required during 1978.
			Salaries 3,500
			Equipment <u>3,000</u>
			6,500
7900	Combined Storm Maintenance	156,800	This appropriation is required to accommodate the Storm share of Combined Sewer Maintenance Costs.
			Salaries and Benefits135,300
			Equipment 18,000
			Supplies..... 3,000
			Granular <u>500</u>
			156,750

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: COMBINED SEWER MAINTENANCE

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
9331							
7000	Reconstruction Manholes			3,500			
7100	Manhole Repairs		39,243	52,000			
7200	Investigate Complaints		29,930	33,500			
7300	Sewer Repairs		17,975	29,500			
7600	Sewer Investigations		74,073	102,000			
7700	Sewer Cleaning		49,261	57,000			
7800	Sewer Flushing		38,472	36,000			
			<u>248,954</u>	<u>313,600</u>			
	TOTAL (COMBINED SEWER MAINTENANCE)			<u>313,500</u>			

1978 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PAGE 5.i.

PRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: COMBINED SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9331	COMBINED SEWER MAINTENANCE		
7000	Reconstruct Manholes		Appropriation for this series of accounts are not required since:
7100	Manhole Repairs		1. Budget Requirements are included in the Sanitary Sewer Series #9329-79 and in the Storm Sewer Series #9330-79.
7200	Investigate Complaints		
7300	Sewer Repairs		2. Daily operating costs for Combined Sewer Maintenance will be charged to this series of and debited by Finance periodically to 9329-79 and 9330-79.
7600	Sewer Investigations		
7700	Sewer Cleaning		
7800	Sewer Flushing		

GENERAL

1978 CURRENT BUDGET

DIVISION: GENERAL

PRELIMINARY FORECAST

SECTION: REVENUES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
<u>SUMMARY OF REVENUES</u>							
General		8,000	10,524	10,000		10,000	
Regional Laboratories		296,000	271,505	335,700		335,700	
Solid Waste Disposal Sites		737,000	650,800	602,000		602,000	
S.W.A.R.U.		15,000	6,200	2,000		2,000	
Transportation Services		5,201,600	5,037,600	4,792,600	72,300	4,864,900	
TOTAL		6,257,600	5,976,629	5,742,300	72,300	5,814,600	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1978 CURRENT BUDGET

DIVISION: REGIONAL LABORATORIES

PRELIMINARY FORECAST

SECTION: REVENUES

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
311-	<u>Internal Transfers</u>						
5718	Water Purification	101,400	101,400			121,900	
5725	Sewage Treatment	101,800	101,800			120,600	
5722	Sewer Investigations	22,300	22,300			27,200	
5728	Material Testing - Eng.	5,000	11,110			20,000	
		<u>230,500</u>	<u>236,610</u>			<u>289,700</u>	
	<u>Other Agencies</u>						
3305	Material Testing - Hamilton	35,000	12,870			20,000	
3307	Pollution Control Committee	8,000	7,500			8,000	
3310	Conservation Authorities	4,000	5,550			6,000	
5920	General Services	12,000	4,600			6,000	
5929	Specific Projects	6,500	4,375			6,000	
		<u>65,500</u>	<u>34,895</u>			<u>46,000</u>	
	TOTAL	<u>296,000</u>	<u>271,505</u>			<u>335,700</u>	

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

SECTION: REVENUES

0309-

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
4505	Cash Sales	100,000	69,000			100,000	
4710	Presold	635,000	580,000			500,000	
5195	Licences & Permits	2,000	1,800			2,000	
5910	Sale of Scrap S.W.A.R.U.	15,000	6,200			2,000	
		<u> </u>	<u> </u>			<u> </u>	
	TOTAL	752,000	657,000			604,000	
		<u> </u>	<u> </u>			<u> </u>	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

PRELIMINARY FORECAST

SECTION: REVENUE SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
	Administration	145,900	145,900	240,300		240,300	
	Maintenance	1,490,200	1,542,800	1,813,000		1,813,000	
	Railways	33,500	34,150	33,200		33,200	
	Traffic Engineering	514,150	297,000	314,400		314,400	
	Specific Projects	2,899,850	2,899,850	2,336,700		2,336,700	
	Studies & General Accounts	118,000	117,900	55,000		55,000	
	SUB TOTAL	5,201,600	5,037,600	4,792,600		4,792,600	
	Storm Sewers				72,300	72,300	
	TOTAL REVENUE	<u>5,201,600</u>	<u>5,037,600</u>	<u>4,792,600</u>	<u>72,300</u>	<u>4,864,900</u>	
	NET AMOUNT TO BE MET FROM THE GENERAL LEVY	8,987,850				8,857,000	

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Revenue Detail

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
	Administration	240,300	Maximum allowable M.T.C. normal subsidy.	\$234,900
			Maximum allowable M.T.C. supplementary traffic subsidy.	2,400
			M.T.C. normal subsidy on training courses.	<u>3,000</u>
				\$240,300
	Maintenance	1,813,000	M.T.C. normal subsidy on maintenance items.	\$1,786,900
			M.T.C. normal subsidy on construction items.	<u>26,100</u>
				\$1,813,000
	Railways	33,200	M.T.C. normal subsidy on maintenance items.	\$ 29,000
			M.T.C. normal subsidy on construction items.	<u>4,200</u>
				\$ 33,200
	Traffic Engineering	314,400	M.T.C. normal subsidy on maintenance items.	\$280,200
			M.T.C. supplementary subsidy on traffic signal installations.	<u>34,200</u>
				\$314,400

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Revenue Detail

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
	Specific Projects	2,336,700	M.T.C normal subsidy on construction items.	\$2,000,700
			M.T.C. subsidy on connecting link items.	66,000
			M.T.C special agreement	225,000
			Other cost sharing revenues.	45,000
				<u>\$2,336,700</u>
	Studies and General Accounts	55,000	M.T.C. normal subsidy on construction items.	
	Storm Sewers	72,300	M.T.C. supplementary subsidy on storm sewer maintenance.	\$ 9,800
			M.T.C. supplementary subsidy on storm sewer construction.	37,500
			M.T.C. supplementary subsidy on pre-servicing.	25,000
				<u>\$ 72,300</u>
		<u>\$4,864,900</u>	NOTE: Estimated Maximum M.T.C. Normal Subsidy.	\$4,400,000
			Budgeted M.T. C. Normal Subsidy	\$4,420,000

1978 CURRENT BUDGET

DIVISION: GENERAL

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
<u>SUMMARY OF EXPENDITURES</u>							
	General Administration	612,320	584,753	626,200		626,200	
	General Engineering	124,560	118,813	104,500		104,500	
	Regional Laboratories	350,830	360,508	372,200		372,200	
	Solid Waste Disposal Sites	1,021,430	1,008,339	1,564,400		1,564,400	
	S.W.A.R.U.	2,823,390	2,860,592	3,096,700		3,096,700	
	Transportation Services	14,264,750	13,969,549	13,245,700	476,200	13,721,900	
	TOTAL	19,197,280	18,902,554	19,009,700	476,200	19,485,900	

1978 CURRENT BUDGET

DIVISION: GENERAL ENGINEERING

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-01							
01	Salaries, Wages & Benefits	481,220	473,157	480,400		480,400	
11	Communications	7,000	7,603	7,000		7,000	
12	Advertising			2,000		2,000	
13	HMRF Deficiency	50,000	50,000	50,000		50,000	
21	Office Supplies & Stationery	12,000	12,018	12,000		12,000	
23	Microfilming	8,000	6,070	6,000		6,000	
24	Contract Printing	4,000	5,167	5,000		5,000	
27	Protective Clothing	2,000	2,073	2,000		2,000	
31	Maintenance: Office Equipment	500	200	500		500	
42	Insurance	6,000	6,000	3,100		3,100	
71	Office Equipment	1,200	1,119				
75	Equipment: Survey & Technical Services	3,500	3,424	2,700		2,700	
81	Rental Car Pool	5,000	4,588	5,000		5,000	
83	Rental call Terminal	8,500	3,254	8,500		8,500	
87	Accommodation	7,000		31,600		31,600	
91	Travelling & Expenses	4,400	1,838	4,400		4,400	
92	Car Allowance	2,000	284	2,000		2,000	
94	Training Courses & Expenses	10,000	4,776	4,000		4,000	
	TOTAL	612,320	581,571	626,200		626,200	

1978 CURRENT BUDGET

DIVISION: GENERAL ENGINEERINGPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-01				
01	Salaries, Wages & Benefits	480,400	Salaries which are distributable to General Administration costs.	\$414,100
			Employee Benefits	<u>66,300</u>
				\$480,400
11	Communications	7,000	General Works share of telephones, and long distance calls.	
12	Advertising	2,000	Cost of advertisements for personnel, road closings, By-laws, contracts, etc.	
21	Office Supplies	12,000	Supplies for office, drafting and printing costs.	
23	Microfilming	6,000	Continuation of microfilming plans, mounting existing films and indexing.	
24	Contract Printing	5,000	Cost of printing contracts. In the past printing costs were charged to specific projects, we now charge \$10.00 for contracts to cover printing and administration. Expected revenue in 1978 - \$6,000.	
27	Protective Clothing	2,000	Protective clothing and safety shoes for administrative staff.	

1978 CURRENT BUDGET

DIVISION: GENERAL ENGINEERINGPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-01	Cont'd.....		
75	Equipment - Survey & Technical Services	2,700	<u>Surveys</u> Consumerable Items \$700.00 Repairs and Servicing <u>300.00</u> \$1,000.00 <u>Technical Services Equipment</u> Thermometers - 4 asphalt \$100.00 - 4 concrete 100.00 Miscellaneous Equipment - shovels, gloves, concrete scoops, 12 & 50 foot measuring tapes. 300.00 Repairs to existing air meters. 600.00 Repairs to TROYLER (nuclear densi- meter). <u>600.00</u> \$1,700.00

1978 CURRENT BUDGET

DIVISION: GENERAL ENGINEERINGPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-01	Cont'd.....		
83	Rental - Computer Terminal	8,500	To cover the cost of rental of the computer inquiry system from the City, and the rental cost of the Call Computer Terminal and data storage from I.B.M.
91	Travelling Expenses	4,400	Travelling allowance for conferences and supper allowance, etc.
92	Car Allowance	2,000	Amount required for payments to employees using own car for transportation.
94	Training Courses and Expenses	4,000	Required to pay for M.T.C. courses and evening courses at McMaster and Mohawk College and other seminars.

1978 CURRENT BUDGET

DIVISION: GENERAL

PRELIMINARY FORECAST

SECTION: GENERAL ENGINEERING

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351							
0200	Investigating Complaints	2,000	1,288	2,000		2,000	
0300	Checking Plans	3,000	3,158	3,000		3,000	
0400	Public Utilities	17,860	16,304	16,500		16,500	
0500	Motor Vehicle Operations	24,000	21,591	24,000		24,000	
0600	Preliminary Engineering	6,000	8,487	6,000		6,000	
0700	Technical Services: Engineering Research	16,700	16,866	15,000		15,000	
0800	Horizontal Control	5,000	4,479	3,000		3,000	
0900	Legal Surveys	20,000	18,222	20,000		20,000	
1000	Bench Marks	3,000	2,129	3,000		3,000	
1100	Real Estate Services	5,000		5,000		5,000	
1200	Aerial Mapping	22,000	22,044	7,000		7,000	
	TOTAL (GENERAL ENGINEERING)	<u>124,560</u>	<u>114,568</u>	<u>104,500</u>		<u>104,500</u>	

1978 CURRENT BUDGET

DIVISION: GENERALPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: GENERAL ENGINEERING

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-				
0200	Investigating Complaints	2,000	Cost of investigating complaints which work is performed by personnel whose salaries are distributable.	
0400	Public Utilities	16,500	Salary & Benefits of staff checking utility applications and plans, etc.	
0500	Motor Vehicle Operations	24,000	Garage charges for department vehicles, gas, oil, repairs, insurance, maintenance of radios, depreciation, etc.	
0600	Preliminary Engineering	6,000	Amount required for salaries of employees which salaries cannot be charged to specific projects.	
0700	Technical Services		Regional Engineering Library -	
	Engineering Research	15,000	<u>Reference Books</u>	\$1,000
			<u>Testing & Quality Control -</u>	
			<u>Annual Supply Contracts</u>	3,000
			<u>Special Investigations</u>	
			To cover costs of special studies during 1978 including disposal of inert wastes, SWARU ash, and wood wastes.	
				<u>11,000</u>
				\$15,000
0800	Horizontal Control	3,000	To cover the costs associated with the maintenance of existing horizontal control monuments in the Region.	

1978 CURRENT BUDGET

DIVISION: GENERALPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: GENERAL ENGINEERING

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351			
0900	Legal Surveys	20,000	To cover the legal surveys and costs not related to specific land acquisition projects. It will cover surveys, investigations and other costs related to surveys for all other miscellaneous purposes. It will cover Registry Office fees and charges, fees for registration of deeds, plans etc., also some computer usage charges and computer inventory file maintenance and updating.
1000	Bench Marks	3,000	To cover any costs associated with the maintenance and relocation of existing bench marks in the Region.
1100	Real Estate Services	5,000	This account to cover Real Estate fees, if any, which cannot be distributed against specific accounts. NOTE: Real Estate Charges in 1977 - \$110,000 which costs were charged to specific projects.
1200	Aerial Mapping	7,000	To continue our programme of integrated mapping based on survey control and photogrammetry, and to accumulate funds to update photography as required and to provide preliminary updated mapping as required. No large or major expenditures are planned.

DIVISION: REGIONAL LABORATORIES

SECTION:	SUMMARY
1.0	INTRODUCTION
2.0	STATEMENT OF WORK
3.0	SCOPE OF WORK
4.0	DELIVERABLES
5.0	ASSUMPTIONS
6.0	DEPENDENCIES
7.0	RISKS
8.0	CONCLUSION
9.0	APPENDICES
10.0	REFERENCES
11.0	CONTACT INFORMATION
12.0	REVISIONS
13.0	APPROVALS
14.0	DISCLAIMER
15.0	TERMS AND CONDITIONS
16.0	NOTES
17.0	END OF DOCUMENT

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DIVISION: REGIONAL LABORATORIES

SECTION: ADMINISTRATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-20							
01	Salaries, Wages & Benefits	69,210	69,242	71,500		71,500	
11	Telephone & Telegrams	1,300	2	1,000		1,000	
13	HMRP Deficiency		12,309	14,000		14,000	
19	Laundry	600	596	600		600	
21	Office Supplies & Stationery	2,000	1,732	2,000		2,000	
22	Cleaning Supplies	300	241	300		300	
25	Motor Vehicle Operation	1,000	794	1,000		1,000	
27	Clothing	300	280	300		300	
31	Instrument Maintenance	2,500	2,395	2,700		2,700	
33	R/M - Building	3,500	2,820	3,000		3,000	
75	Equipment	6,100	6,015	900		900	
	TOTAL	86,810	96,426	97,300		97,300	

1978 CURRENT BUDGET

DIVISION: REGIONAL LABORATORIES

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-20			
01	Salaries, Wages & Benefits	71,500	Calculated and based on 1977 rates with all anniversary increases. Benefits
			\$61,500 <u>10,000</u> \$71,500
75	Equipment	900	Replacement of one (1) air conditioner . This is the last of the original install- ations and does not function properly anymore.

1978 CURRENT BUDGET

DIVISION: REGIONAL LABORATORIES

PRELIMINARY FORECAST

SECTION: _____

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-24	<u>SPECIAL PROJECTS</u>						
01	Salaries, Wages & Benefits	10,000	6,097	10,000		10,000	
23	Supplies	3,000	3,477	3,000		3,000	
25	Motor Vehicle Operation	1,000	9	1,000		1,000	
	TOTAL	<u>14,000</u>	<u>9,583</u>	<u>14,000</u>		<u>14,000</u>	
0351-25	<u>ENGINEERING AND MATERIAL TESTING</u>						
01	Salaries, Wages & Benefits	18,970	17,877	20,000		20,000	
23	Supplies	3,000	3,081	3,000		3,000	
	TOTAL	<u>21,970</u>	<u>20,958</u>	<u>23,000</u>		<u>23,000</u>	

1978 CURRENT BUDGET

DIVISION: REGIONAL LABORATORIES

PRELIMINARY FORECAST

SECTION: _____

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-27	<u>INDUSTRIAL WASTES</u>						
01	Salaries, Wages & Benefits	16,760	17,659	18,500		18,500	
23	Supplies	1,200	1,208	1,200		1,200	
	TOTAL	<u>17,960</u>	<u>18,867</u>	<u>19,700</u>		<u>19,700</u>	
0351-28	<u>GENERAL SERVICE</u>						
01	Salaries, Wages & Benefits	44,360	47,844	46,500		46,500	
23	Supplies	2,000	1,346	2,000		2,000	
	TOTAL	<u>46,360</u>	<u>49,190</u>	<u>48,500</u>		<u>48,500</u>	

1978 CURRENT BUDGET

DIVISION: REGIONAL LABORATORIES

PRELIMINARY FORECAST

SECTION: _____

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-22	<u>WATER WORKS LABORATORY</u>						
01	Salaries, Wages & Benefits	74,100	75,276	77,800		77,800	
23	Supplies	7,500	6,846	7,500		7,500	
	TOTAL	<u>81,600</u>	<u>82,122</u>	<u>85,300</u>		<u>85,300</u>	
0351-23	<u>SEWAGE LABORATORY</u>						
01	Salaries, Wages & Benefits	76,830	76,781	79,100		79,100	
23	Supplies	5,300	6,080	5,300		5,300	
	TOTAL	<u>82,130</u>	<u>82,861</u>	<u>84,400</u>		<u>84,400</u>	

1978 CURRENT BUDGET

DIVISION: SOLID WASTE DISPOSAL SITES

PRELIMINARY FORECAST

SECTION: SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351							
8600	General Expenses	104,800	107,855	527,500		527,500	
8700	D.S.: Ancaster	278,290	256,537	248,800		248,800	
8800	D.S.: Dundas	8,210	4,421	19,000		19,000	
8900	D.S.: Beverly	24,000	22,090	49,000		49,000	
9000	D.S.: West Flamborough	69,000	63,368	48,000		48,000	
9100	D.S.: Binbrook	28,530	20,283	15,400		15,400	
9200	D.S.: Glanford	19,070	15,207	24,300		24,300	
9400	D.S.: West Hamilton	9,000	5,591				
9500	D.S.: Hamilton- Upper Ottawa	410,140	422,163	568,000		568,000	
9600	D.S.: Stoney Creek	70,390	58,476	64,400		64,400	
	TOTAL (DISPOSAL SITES)	1,021,430	975,991	1,564,400		1,564,400	

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

SECTION: GENERAL

351-86

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
16	Hydrogeological Monitoring	3,000	2,900	40,000		40,000	
17	Landfill Site Planning			30,000		30,000	
18	Field Survey of Landfill Sites	12,000	9,243	20,000		20,000	
19	Solid Waste Study	10,000	14,097	15,000		15,000	
23	Operating Supplies	2,000	920	2,000		2,000	
24	Solid Waste Proposals - Negotiations	20,000	20,090	18,000		18,000	
42	Insurance	4,000	4,000	12,000		12,000	
43	Debenture Charges			120,000		120,000	
61	Environmental Impact Study			20,000		20,000	
97	Solid Waste Management System Hearings	53,800	56,605	250,500		250,500	
	TOTAL	<u>104,800</u>	<u>107,855</u>	<u>527,500</u>		<u>527,500</u>	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-86			
16	Hydro Geological Monitoring	40,000	Establishment and monitoring of ground wells to determine the extent of leachate problems, if any, at existing landfill sites. Required for design of leachate control measures for conformance - Ministry of the Environment requirements.
17	Landfill Site Planning	30,000	Preparation of information and plans to establish closure requirements for sites that are in existence at present, to conform to M.O.E. requirements. Upper Ottawa Street \$ 20,000 Other Sites 10,000
19	Solid Waste Study	15,000	Study of the disposal of inert material
18	Survey of Landfill Sites	20,000	Aerial photography and/or a field survey, as required for final contour plans and measures necessary for closure acceptance by the M.O.E. of the following sites which are closed to the public. 1. Stoney Creek 2. West Flamborough 3. Dundas 4. Binbrook 5. West Hamilton 6. East Hamilton
23	Operating Supplies	2,000	Expenses related to landfill site supervisors' requirements, such as his vehicle, safety boots and uniforms.

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-86Cont'd.....		
24	Solid Waste Proposals Negotiations	18,000	Completion of analysis and preparation of reports and recommendations related to the negotials with Tricil.
61	Environmental Impact Study	20,000	Consultant's study to prepare an Environmental Assessment of the proposed Regional Site, only if required by the M.O.E.
97	Solid Waste Management	250,500	Preparation and presentation of information at Environmental & O.M.B. hearings for the proposed establishment of a solid waste management system in the Region.
			Proctor and Redfern Limited \$ 95,000
			Gartner Lee 12,500
			Topographics Limited 3,000
			Legal Fees 100,000
			Contingencies 40,000
			Approved Regional Council 6 December 1977. \$250,500

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

SECTION: D.S.: ANCASTER

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-87							
01	Salaries, Wages & Benefits	75,390	57,993	68,400		68,400	
11	Communications	300	317	400		400	
14	Utilities	800	341	800		800	
23	Operating Supplies	13,600	7,754	21,700		21,700	
31	R/M - Equipment	25,200	24,209	47,000		47,000	
33	R/M - Buildings & Grounds	148,000	156,130	90,000		90,000	
85	Rental: Operating Equipment	15,000	9,793	20,500		20,500	
	TOTAL	278,290	256,537	248,800		248,800	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-87				
01	Salaries, Wages & Benefits	68,400	1) Two operators. 2) Operator overtime. 3) One Supervisor 4) Supervisor overtime. 5) Security guard services for collection of fees.	\$ 28,000 2,600 13,200 500 14,800 59,500
			Employee Benefits	8,900
			TOTAL	\$ 68,400
11	Communications	400	Telephone Costs.	
14	Utilities	800	Hydro and Stove Oil costs.	
23	Operating Supplies	21,700	- Diesel fuel for equipment. - Motor, transmission, etc. oil for equipment. - Granular material for access roads. - Small tools, parts, safety equipment and clothing for operators and attendant. - Dust Control. - Pest Control supplies. - Portable toilet rental.	\$ 10,000 1,100 5,000 2,000 2,000 1,000 600
				\$ 21,700

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-87				
31	Maintenance - Equipment	47,000	<ul style="list-style-type: none"> - New and cleaned air & oil filters \$ 1,000 - Repairs to Steam Jenny. 300 - Labour for changing oil. 700 - Repairs to Massey 500 Crawler Loader. 23,000 - Repairs to Caterpillar 816 Landfill Compactor. 22,000 	
			TOTAL	\$ 47,000
33	Maintenance - Buildings & Grounds	90,000	<ul style="list-style-type: none"> 1. Repairs to Garage, fence, gate, signs, grass cutting. \$ 4,000 2. Contractual services for frontal land- scaping. 65,000 3. Installation of water supply to new maintenance shed. 1,000 4. New pumping system for leachate collection sump. 20,000 	
				\$ 90,000
85	Rental - Operating Equipment	20,500	<ul style="list-style-type: none"> 1. Rental of equipment in the event of a breakdown. \$ 10,000 2. Rental of tank trucks to haul leachate. 7,000 3. Rental of submersible pump & hose for leachate pumping (six months only). 3,500 	
				\$ 20,500

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

SECTION: D.S.: DUNDAS & BEVERLY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-88	DUNDAS						
01	Salaries, Wages & Benefits		2,817				
23	Operating Supplies		212				
33	R/M - Buildings & Grounds	8,210	1,392	16,000		16,000	
85	Rental: Operating Equipment			3,000		3,000	
	TOTAL	<u>8,210</u>	<u>4,421</u>	<u>19,000</u>		<u>19,000</u>	
0351-89	BEVERLY						
19	Contractual Services	20,000	21,515	45,000		45,000	
23	Operating Supplies	4,000	575	4,000		4,000	
	TOTAL	<u>24,000</u>	<u>22,090</u>	<u>49,000</u>		<u>49,000</u>	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-89			
19	Contractual Services	45,000	Contract RHW-78-3 Maintenance and Operation of this site.
23	Operating Supplies	4,000	Granular for Access Roads, repairs to gate, fence, pest control supplies, etc.

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-88			
33	Maintenance - Grounds	16,000	Clay material for final cover.
85	Equipment Rental	3,000	Bulldozer rental for application of final cover.

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

D.S.: WEST FLAMBOROUGHSECTION: & BINBROOK

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-90	WEST FLAMBOROUGH						
19	Contractual Services	53,000	55,326				
23	Operating Supplies	4,000	3,062				
33	R/M: Buildings & Grounds	12,000	4,980	42,000		42,000	
85	Equipment Rental			6,000		6,000	
	TOTAL	<u>69,000</u>	<u>63,368</u>	<u>48,000</u>		<u>48,000</u>	
0351-91	BINBROOK						
01	Salaries, Wages & Benefits	21,530	17,189	3,900		3,900	
23	Operating Supplies	4,000	1,017	10,000		10,000	
85	Rental: Operating Equipment	3,000	2,077	1,500		1,500	
	TOTAL	<u>28,530</u>	<u>20,283</u>	<u>15,400</u>		<u>15,400</u>	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-90			
33	Maintenance - Buildings & Grounds	42,000	Clay material spread one foot (1') thick over entire site for final closure. \$ 40,000
			Repairs to gate and fence. <u>2,000</u>
			\$42,000
85	Equipment Rental	6,000	Rental of equipment for application of final cover.

1978 CURRENT BUDGET

DIVISION: EnvironmentalSECTION: Solid WastePRELIMINARY FORECAST - EXPENDITURE DETAIL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-91				
01	Salaries, Wages & Benefits	3,900	One attendant - 3 days per week for 3 months. Security Guard Benefits	\$ 2,100 1,300 500 <u>\$ 3,900</u>
23	Operating Supplies	10,000	Clay cover material, 1 foot thick for final closure. Repairs to fence, gate, signs, etc.	\$ 8,000 <u>2,000</u> <u>\$ 10,000</u>
85	Rental - Operating Equipment	1,500	Equipment rental for application of final cover.	

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

D.S.: GLANFORD &SECTION: WEST HAMILTON

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-92	GLANFORD						
01	Salaries, Wages & Benefits	16,070	14,108	18,300		18,300	
23	Operating Supplies	2,000	157	2,000		2,000	
85	Rental: Operating Equipment	1,000	942	4,000		4,000	
	TOTAL	19,070	15,207	24,300		24,300	
0351-94	WEST HAMILTON						
23	Operating Supplies	9,000	5,591				
	TOTAL	9,000	5,591				

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-92			
01	Salaries, Wages & Benefits	18,300	Two attendants (2 -3 day shifts). Attendants' overtime Employee Benefits \$ 13,500 1,700 <u>3,100</u> \$ 18,300
23	Operating Supplies	2,000	Granular material for access roads, signs, repairs to shack, gate, pest control supplies, etc.
85	Rental - Operating Equipment	4,000	Equipment to maintain access roads, and construction of frontal berm.

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
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0351-94

Funds not required this year in that
cover material being received at no
charge from various construction projects.

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

D.S.: HAMILTON- UPPER OTTAWA
SECTION: & STONEY CREEK

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0351-95	HAMILTON- UPPER OTTAWA						
01	Salaries, Wages & Benefits	195,040	177,118	221,500		221,500	
11	Communications	300	332	500		500	
14	Utilities	1,000	672	800		800	
23	Operating Supplies	47,000	48,032	53,100		53,100	
31	R/M - Equipment	62,800	66,605	48,700		48,700	
33	R/M - Buildings & Grounds	1,000	2,723	2,000		2,000	
75	Operating Equipment	70,000	68,302	186,500		186,500	
85	Equipment Rental	33,000	28,296	23,000		23,000	
45	Property Taxes		30,083	31,900		31,900	
	TOTAL	<u>410,140</u>	<u>422,163</u>	<u>568,000</u>		<u>568,000</u>	
0351-96	STONEY CREEK						
01	Salaries, Wages & Benefits	32,690	31,449	3,600			
23	Operating Supplies	8,700	5,362	800		800	
31	R/M - Equipment	18,000	14,128				
33	R/M - Buildings & Grounds	1,000	261	50,000		50,000	
85	Rental: Operating Equipment	10,000	7,276	10,000		10,000	
	TOTAL	<u>70,390</u>	<u>58,476</u>	<u>64,400</u>		<u>64,400</u>	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-95			
01	Salaries Wages & Benefits	221,500	Seven Operators. \$ 98,800 Operator Overtime. 9,000 Two Attendants. 28,100 Attendant Overtime 2,500 Security Guard for Public wood area. 11,200 Security Guard for disposal. 19,200 Fee collection. Security Guard for weekends. 4,700 One disposal site Supervisor. 15,700 Disposal Site Supervisor's overtime. 1,200 <u>\$190,400</u> Employee Benefits <u>31,100</u> <u>\$221,500</u>
11	Communications	500	Telephone charges.
14	Utilities	800	Hydro for maintenance shed, and ticket kiosk.

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-95				
23	Operating Supplies	53,100	Granular material for access road.	\$ 5,000
			Dust control for access roads.	3,000
			Small tools, accessories, signs, safety equipment, fire extinguishers, etc.	7,000
			Diesel fuel for operating equipment.	30,000
			Stove oil for heaters in attendants' shacks and men's quarters.	3,300
			Oil, grease, anti-freeze, etc. for operating equipment.	3,300
			Pest control supplies.	1,500
				<u>\$ 53,100</u>
31	Maintenance- Equipment	48,700	New and cleaned air and oil filters.	\$ 5,500
			Parts and repairs etc. for the Caterpillar 816 Landfill Compactor including the preventative maintenance plan.	20,000
			Parts and repairs for the new Landfill Compactor.	8,000
			Parts and repairs for the Case 1450 Bulldozer.	10,000
			Parts and repairs to the Massey 500 Crawler Loader.	5,000
			Parts and repairs to the high pressure washer.	200
				<u>\$ 48,700</u>

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-95				
33	Maintenance Buildings & Grounds	2,000	Repairs to maintenance garage, fuel pump and ticket kiosk.	
75	Operating Equipment	186,500	Purchase of one new 60,000 lb. Landfill compactor to replace the worn out Bomag K-301 Landfill Compactor. This new heavy compactor will also prolong the life of the Ottawa Site.	\$182,000
			Purchase of new high pressure washer. for cleaning of machines.	<u>4,500</u>
				\$186,500
85	Rental - Operating Equipment	23,000	Rental of equipment to replace Regional equipment under repair. Rental of trucks to move scrap wood from public woodpile to main woodpile for disposal.	\$ 20,000
				<u>3,000</u>
				\$ 23,000
	TOTAL	536,100		

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Solid Waste

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-96				
01	Salaries, Wages & Benefits	3,600	One attendant for three months. Employee Benefits	\$ 3,000 600 \$ 3,600
23	Operating Supplies	800	Diesel fuel, oil, grease, etc. for operating equipment. Safety equipment, clothes, small tools and supplies, etc.	\$ 600 200
33	Maintenance - Buildings & Grounds	50,000	Repairs to gate, signs, clean-up in front of gate, etc. Clay material spread 1 foot thick over entire site for final closure.	\$ 2,000 48,000
85	Equipment Rental	10,000	Rental of equipment for application of final cover.	
	TOTAL	64,400		

1978 CURRENT BUDGET

DIVISION: SOLID WASTE

PRELIMINARY FORECAST

SECTION: S.W.A.R.U.

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
<u>Jan. 1 1978 - February 15, 1978</u>							
0357-9701	Salaries, Wages & Benefits	818,790	758,195	102,400		102,400	
9711	Communications	500		100		100	
9713	Water & Sewer Charges	26,000	24,545	3,500		3,500	
9714	Light & Power	83,100	80,682	11,400		11,400	
9715	Fuel	181,500	140,606	40,000		40,000	
9723	Chemicals	9,000	3,394	1,300		1,300	
9727	Uniforms	9,000	6,747	1,000		1,000	
9731	R & M - Equipment	643,600	680,938	257,900		257,900	
9732	Horticultural Services	7,200	7,179				
9784	Scrap Removal	13,000	13,076				
9785	Rental: Operating Equipment	20,000	23,085	2,000		2,000	
		<u>1,811,690</u>	<u>1,738,447</u>	<u>419,600</u>		<u>419,600</u>	
<u>February 15 - December 31, 1978</u>							
	Contract - Tricil			1,613,300		1,613,300	
<u>January 1 - December 31, 1978</u>							
9733	R & M - Buildings & Grounds	25,700	26,866	2,500		2,500	
9742	Insurance	54,100	54,100	59,600		59,600	
9743	Debenture Debt	908,000	907,078	905,000		905,000	
9749	Fire Equipment				47,000	47,000	
9775	New Equipment	23,900	22,788				
	Taxes		46,811	49,700		49,700	
		<u>1,011,700</u>	<u>1,057,643</u>	<u>1,016,800</u>	<u>47,000</u>	<u>1,063,800</u>	
TO BE MET FROM GENERAL LEVY		<u>2,823,390</u>	<u>2,796,090</u>	<u>3,049,700</u>	<u>47,000</u>	<u>3,096,700</u>	

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: S.W.A.R.U.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-97			
01	Salaries, Wages & Benefits	102,400	Salaries, wages and benefits for existing staff (February 15, 1978 only).
11	Telephone	100	Telephone charges (February 1978 only).
13	Water & Sewer Charges	3,500	Charges to February 1978 only.
14	Power	11,400	Cost of power to February 15, 1978 only.
15	Fuel	40,000	Fuel costs to February 15, 1978 only.
19	Contractual Services	1,613,300	Payments to Tricil for period 15 February 1978 to 31 December 1978. No adjustment allowed for base year 1978 in this sum.
23	Chemicals	1,300	Chemicals for boiler feed water treatment to February 15, 1978 only.
27	Uniforms	1,000	Uniforms for SWARU personnel to February 15, 1978. (Uniform changes provided daily).

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: S.W.A.R.U.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-97Cont'd.....			
31	R/M - Equipment	257,900	A. Repairs Necessary to Meet Terms of Agreement Made with Tricil Prior To Take-Over	Agreement No.
			1) Precipitators interlock, repairs and final inspection.	\$ 8,000 1
			2) Repair hydraulic system.	4,000 2A
			3) Modification to condensers.	135,900 2C
			4) Boiler repairs, inspection and certification.	27,000 3
			5) Completion of instrument calibration by Bailey Meter Company.	5,000 5
			6) Repair damage to northeast exit ramp, repair roads and site grading	47,000 10A, 10E
			7) General Plant	14,000 10F, 10G
				240,900
			B. <u>General Repairs to Plant</u>	<u>17,000</u>
				\$257,900

1978 CURRENT BUDGET

DIVISION: EnvironmentalPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: S.W.A.R.U.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
351-97Cont'd.....		
32	Horticultural Services	NIL	Tricil responsibility - nothing required for January by the Region.
33	R/M - Buildings and Grounds	2,500	Region responsible for buildings and grounds for <u>12 months</u> of 1978.
49	Repayment - Capital Levy - Fire Protection	47,000	Design and installation of Fire Protection System for S.W.A.R.U. - \$235,000.00 to be financed from Capital Levy over 5 years.
84	Scrap Removal	NIL	1977 P.O. covers removal until March 1978.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: EXPENDITURES SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
	Administration	754,960	684,582	836,500	105,000	941,500	
	Maintenance	3,385,665	3,449,188	3,658,600	86,400	3,745,000	
	Railways	67,000	68,245	66,500		66,500	
	Traffic Engineering	1,219,725	1,057,494	1,033,300		1,033,300	
	Specific Projects	5,719,000	5,719,000	4,885,000		4,885,000	
	Studies & Gen. Acct.	172,700	171,745	90,000	78,000	168,000	
	Vehicles & Equipment	94,800	74,730	25,800	10,000	35,800	
	SUB-TOTAL	11,413,850	11,224,984	10,595,700	279,400	10 875,100	
	Storm Sewers				196,800	196,800	
	Debt. Charges	2,850,900	2,744,565	2,650,000		2,650,000	
	TOTAL	<u>14,264,750</u>	<u>13,969,549</u>	<u>13,245,700</u>	<u>476,200</u>	<u>13,721,900</u>	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0357-01							
01	Salaries, Wages & Benefits	366,400	312,940	379,390	100,000	479,390	
02	Administration Charges, other	298,760	298,760	367,510		367,510	
11	Communication	22,000	14,729	15,000		15,000	
14	Heat & Light	16,000	14,552	16,000		16,000	
17	Weed Inspection	3,000	253	1,000		1,000	
19	Maintenance Manag.	11,000	10,697	11,000	5,000	16,000	
27	Protective Clothing	4,500	3,845	5,000		5,000	
42	Insurance	7,300	7,300	17,700		17,700	
53	Regional Forests	1,300	1,977	1,600		1,600	
73	Small Tool & Supplies	7,500	7,707	7,000		7,000	
75	Operating Equipment	8,000	9,229	10,000		10,000	
92	Mileage and Expenses	6,000	2,433	4,000		4,000	
94	On the Job Training	3,200	160	1,300		1,300	
	TOTAL	754,960	684,582	836,500	105,000	941,500	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-01				
01	Salaries & Benefits	479,390	Office Staff	\$266,570
			Salaries & Benefits for staff required to carry out necessary duties related to Regional Roads assumed from the City.	100,000
			Weed Inspector	7,000
			Foremen	40,140
			M.T.C. Courses	6,000
				<u>\$419,710</u>
			Employee Benefits	59,680
				<u>\$479,390</u>
02	Administration Charges		Administration, and employee benefits from the City of Hamilton.	
	Other	367,510		
			Streets and Sanitation Dept.	\$231,400
			Traffic Operations	86,100
			Traffic Engineering	50,010
				<u>\$367,510</u>
11	Repairs and Maintenance of Communications Equipment	15,000	Rental of 2-way radio system plus telephone charges for 4 District Yards.	
14	Heat and Light	16,000	Furnace maintenance and power charges for 4 District Maintenance Buildings.	
17	Weed Inspection	1,000	Mileage and other expenses related to weed inspector.	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0357-01	Cont'd.....		
19	Maintenance Management	16,000	Computer charges related to maintenance and vehicle systems, additional \$5,000 for services by the City of Hamilton.
27	Protective Clothing	5,000	Uniforms, hard hats, boots, gloves, raingear, etc.
42	Insurance	17,700	Building and liability insurance.
53	Regional Forests	1,600	Grants in lieu of taxes to Townships for Regional Forest Tracts.
73	Small tools and supplies	7,000	Miscellaneous tools and supplies required.
75	Operating Equipment	10,000	Funds required to operate administrative vehicles.
92	Mileage and Expenses	4,000	Charges for use of private cars and other miscellaneous administrative expenses.
94	On-the-job Training	1,300	2 days training for 10 men.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: MAINTENANCE SUMMARY

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0357	10 Yard & Building	81,400	78,762	119,000		119,000	
	11 Surface Maintenance	708,300	654,952	739,700	26,400	766,100	
	12 Shoulder Maintenance	60,300	59,058	65,400		65,400	
	13 Roadside Maintenance	439,900	400,751	447,300	5,000	452,300	
	14 Drainage Maintenance	321,600	260,286	344,300	4,400	348,700	
	15 Safety Devices	38,100	55,493	36,800	2,300	39,100	
	16 Winter Control	1,555,160	1,836,544	1,742,000	14,600	1,756,600	
	17 Specific Maintenance Project	22,000	25,598	21,000	5,000	26,000	
	18 Bridge and Culvert	80,500	52,336	55,600	28,700	84,300	
	19 General Maintenance	78,405	84,466	87,500		87,500	
	TOTAL	<u>3,385,665</u>	<u>3,449,188</u>	<u>3,658,600</u>	<u>86,400</u>	<u>3,745,000</u>	

1978 CURRENT BUDGET

DIVISION: Transportation

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: Yard & Building

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	YARD AND BUILDING MAINTENANCE		
	Houskeeping	8,000	Regular cleaning of grounds and buildings at 4 district yards and central garage.
	Maintenance	12,000	Repairs and Maintenance to 4 district yards.
	Improvements	99,000	1) <u>Millgrove Yard</u> - Building Insulation \$ 5,000 - Sand-Salt Dome 40,000 2) <u>Rockton Yard</u> - Building Insulation \$ 5,000 3) <u>Ancaster Yard</u> - Central Garage \$ 15,000 - Building Insulation 5,000 - Asphalt Yard 6,000 4) <u>Tapleystown Yard</u> - Security Fence \$ 18,000 - Building Insulation 5,000
		119,000	

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Surface Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Sweeping (Cont. Sect.)	23,400	Business areas to be swept daily - Monday through Friday as distinct from twice weekly. Urban areas to be swept two times per week.
	Paving of Boulevards	3,000	The paving of boulevards at bus stops.
		<hr/> 26,400	

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance - Specific Maint.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Major Ditching Improvements	10,500	Regional Road #4-Brock Road, from Millgrove Road to 2.6 miles northerly (Township of Flamborough).
	Major Shoulder Extensions	10,500	Regional Road #22 - Binbrook Road, from Woodburn Road easterly to Regional Boundary.
	Basilica Fence	5,000	Regional Road #124 - King Street, painting of fence near Basilica.
		<hr/> 26,000	

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance - Bridges & Culverts

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Millgrove Road Culvert (#5205)	17,700	Regional Road #21 - Millgrove Road-0.5 mile west of Millgrove Side Road (Township of Flamborough) Major repairs to extension.
	Safari Road Culvert (#5222)	10,000	Regional Road #1-Safari Road-west of Cooper Road (Township of Flamborough). Replacement.
	Culvert Extensions	3,600	1) Regional Road #3 - Jerseyville Road (#2212) \$ 1,000 2) Regional Road #3 - Lynden Road (#5313) 800 3) Regional Road #3 - Lynden Road (#5314) 1,200 4) Regional Road #1 - Safari Road (#5317) 600 \$ 3,600
	Routine Maintenance of Culverts	40,000	124 culverts (located on the unexpanded system).

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Maintenance - Specific Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Routine Maintenance of Bridges	12,000	34 bridges (located on the unexpanded system) at \$360.00 per bridge.
	Structure Maintenance	1,000	Emergency structure maintenance.
		<hr/> 84,300	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: RAILWAYS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
357-02	Annual Crossing Maintenance	59,000	60,245	58,000		58,000	
	Specific Crossing Improvements	8,000	8,000	8,500		8,500	
	TOTAL	67,000	68,245	66,500		66,500	

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Railways

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Annual Crossing Maintenance	58,000	Region's share of Maintenance charges for level crossing protection on Regional Roads. C.N.R. - 25 crossings \$ 33,000 T.H.& B. - 16 crossings 22,500 C.P.R. - 2 crossings 2,500 \$ 58,000
	Specific Crossing Improvements	8,500	Region's share of cost of rehabilitation of level railway crossings: 1) Regional Road #173 - Gage Avenue at C.N.R. Mainline. \$ 4,000 2) Regional Road #178 - Victoria Avenue at C.N.R. Mainline. 4,500
		66,500	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: TRAFFIC ENGINEERING

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0357-05							
	* Lane & Zone Marking	235,240	167,350	200,700		200,700	
	Signs	289,310	259,281	212,100		212,100	
	Studies & Traffic Counting	123,850	128,747	105,200		105,200	
	Traffic Signals	571,325	502,116	515,300		515,300	
	TOTAL	1,219,725	1,057,494	1,033,300		1,033,300	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
	Mill Street - 164 Mill Street/ Slope Stabili- zation	100,000	100,000	75,000		75,000	
	Freeways-Land Purchase Reserve	185,000	185,000	125,000		125,000	
	Freeway Study			300,000		300,000	
	King Street - Nash to Battlefield Creek	100,000	100,000	40,000		40,000	
	James Street at Barton Street	10,000	10,000	50,000		50,000	
	Brock Road - Realignment	85,200	85,200	150,000		150,000	
	Main St. at Ottawa St.	112,500	112,500	69,000		69,000	
	Mohawk Rd. at West 5th St	105,000	105,000	15,000		15,000	
	Burlington St. - Strathearn to Q.E.W.	50,000	50,000	250,000		250,000	
	Centre Road at 8th Concession	55,100	55,100	195,000		195,000	
	Parkdale Ave. at Barton Street	35,000	35,000	147,000		147,000	
	Upper Wellington at Mohawk Road	65,000	65,000	286,000		286,000	
	Miscellaneous Construction	50,000	50,000	25,000		25,000	
	Claremont Access - slab failure	44,000	44,000	138,000		138,000	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
	Vinemount Bridge	203,700	203,700	5,000		5,000	
	Mill Street - Grindstone Creek Bridge	97,000	97,000	136,000		136,000	
	Stone Church Road - Extension to Paramount	55,000	55,000	182,000		182,000	
	General Resurfacing	472,000	472,000	450,000		450,000	
	Specific Projects	3,894,000	3,894,000	2,247,000		2,247,000	
	TOTAL	<u>5,719,000</u>	<u>5,719,000</u>	<u>4,885,000</u>		<u>4,885,000</u>	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
	1977 SPECIFIC PROJECTS			
	Mill Street-164 Mill Street Slope Stabilization	200,000	Regional Road #9-Township of Flamborough land acquisition for the realignment and slope stabilization of Mill Street. 1977 land	\$100,000
			1978 land	<u>75,000</u>
				\$175,000
	Freeway - Land Purchase Reserve	125,000	Contribution to Land Purchase Reserve 1977	\$185,500
			1978	<u>125,000</u>
				\$310,500
			NOTE: This represents a gross expenditure of approximately 1.24 million dollars @ 75% subsidy and 3.1 million dollars @ 90% subsidy.	
	Freeway Study	300,000	Study of Mountain, East/West and North/South Corridors as commissioned by Regional Council.	
			Gross Estimated Cost	\$300,000
			M.T.C. Special Subsidy	<u>225,000</u>
			Net Region	\$ 75,000
	King Street - Nash to Battlefield Creek	40,000	Regional Road #112 and #12 - City of Hamilton and Town of Stoney Creek. Land acquisition programme for widening and complete reconstruction.	
			1977 land	\$100,000
			1978 land	<u>40,000</u>
			1979 scheduled construction	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1977 SPECIFIC PROJECTS	Cont'd.....	
	James Street at Barton Street	50,000	Regional Road #106 and #124 - City of Hamilton. Continued land acquisition for intersection improvements.
	Brock Road Realignment	150,000	Regional Road #4 - Township of Flamborough. Relocation of road from north of Hwy. #5 to Greensville (Harvest Road). 4 year land acquisition programme.
			1976/77 land \$ 85,200
			1978 - land 150,000
			1979 - balance of land 109,800
			1979/80 scheduled construction
	Main Street at Ottawa Street	69,000	Regional Road #108 & 172 - City of Hamilton. Completion of land acquisition for reconstruction of restrictive inter- section.
			1977 land \$112,500
			1978 land 69,000
			1979/80 scheduled construction
	Mohawk Road at West 5th. Street	15,000	Regional Road #115 and #158 - City of Hamilton. Completion of land acquisition for reconstruction of restrictive inter- section.
			1977 land \$105,000
			1978 land 15,000
			1979 scheduled construction.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1977 SPECIFIC PROJECTS.....Cont'd....		
	Burlington Street - Strathearne Ave. to Q.E.W.	250,000	Regional Road #138 - City of Hamilton. Commencement of land acquisition for widening and reconstruction.
	Centre Road at 8th. Concession Road.	195,000	Regional Road #8 - Township of Flamborough. Realignment of hazardous intersection.
			1974 pre-engineering \$ 26,000
			1976/77 land acquisition 74,000
			1978 construction 195,000
			TOTAL PROJECT \$295,000
	Parkdale Avenue at Barton Street	147,000	Regional Roads #170 and #124 - City of Hamilton. Completion of land acquisition and reconstruction of restrictive inter- section.
			1977 land \$ 40,000
			1978 land 37,000
			1978 construction 110,000
			TOTAL PROJECT \$187,000

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1977 SPECIFIC PROJECTS.....Cont'd.....		
	Upper Wellington Street at Mohawk Road	286,000	Regional Roads #169 and #115 - City of Hamilton. Reconstruction of restrictive intersection.
			1977 land \$ 65,000
			1978 construction 286,000
			TOTAL PROJECT \$351,000
	Claremont Access- Slab Repairs	138,000	Regional Road #106 - City of Hamilton. Repairs to hazardous road slab.
	Vinemount Bridge	5,000	Regional Road #25 - Town of Stoney Creek. Completion of landscaping in association with structure relocation.
	Mill Street-Grindstone Creek Bridge	136,000	Mill Street-Grindstone Creek Bridge- Township of Flamborough. Completion of contract payments for bridge replace- ment.
			1975/76-pre-engineering study and evaluation. \$ 53,000
			1977 - engineering 26,000
			- construction 98,000
			1978 - completion of contract payments 136,000
			TOTAL PROJECT \$313,000

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
1977 SPECIFIC PROJECTS.....Cont'd.....			
	Stone Church Road Extension to Paramount Dr.	182,000	Regional Road #116 - City of Hamilton and Town of Stoney Creek. Extension of Stone Church Road to Paramount Drive- major arterial for Saltfleet Community Development.
			1977-land \$ 55,000
			1978-engineering 3,000
			-construction <u>179,000</u>
			\$237,000
1978 SPECIFIC PROJECTS			
	Upper James Street - Fennell to Stone Church	25,000	Regional Road #106 - City of Hamilton. Study of traffic and channelization requirements. Land acquisition and construction will be scheduled for 1979/80.
	Dundurn Street - T.H. & B. Bridges	15,000	Regional Road #196 - City of Hamilton Engineering study of 2 - T.H. & B. bridges immediately south of Main Street and application to Canadian Transport Commission.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
1978 SPECIFIC PROJECTSCont'd.....			
	King Street - Stoneybrook Drive to Highway No. 8	20,000	Regional Road #12 - Town of Stoney Creek. Land acquisition programme for widening and complete reconstruction. 1978 land \$ 20,000 1979 land 37,000
	Mohawk Road at Garth Street	100,000	Regional Road #115 and #157 - City of Hamilton land acquisition for reconstruction of restrictive intersection.
	Barton Street - Millen to DeWitt Road	30,000	Regional Road #24 - Town of Stoney Creek land acquisition programme for widening and reconstruction.
	Carluke Road at Shavers Road	50,000	Regional Road #22 - Town of Ancaster. Realignment of hazardous intersection. 1978 construction. \$ 50,000
	Woodburn Road at Guyatte Road	25,000	Regional Road #34 - Township of Glanbrook. Realignment of hazardous intersection. 1978 construction. \$ 25,000
	Centre Road at 11th. Concession Road.	31,000	Regional Road #8 - Township of Flamborough. Land acquisition for realignment of hazardous intersection.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1978 SPECIFIC PROJECTS.....Cont'd.....		
	King Street at Sydenham Road	4,000	Regional Roads #308 and #5 - Town of Dundas - minor intersection improvement. 1978 construction. \$ 4,000
	Airport Road - Hwy. #6 to 400' Westerly.	32,000	Regional Road #37 - Township of Glanbrook. Region's portion of M.T.C.'s contract to reconstruct the intersection.
	Bay Street, Herkimer to Hunter Street	114,000	Regional Road #182 - City of Hamilton. Partial widening (28 to 34 feet) in conjunction with the City of Hamilton sidewalk replacement.
	Upper Ottawa Street - Stone Church Road to Rymal Road.	45,000	Regional Road #162 - City of Hamilton base and surface.
	Lake Naipinco Access Roads	53,000	Regional Roads #40 and #614 - Township of Glanbrook. Fletcher's Rd. - Binbrook Rd. to Kirk Rd. West. Kirk Rd. West - Fletchers Road to Hwy. #56. Base and surface and minor vertical realign- ment.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
1978 SPECIFIC PROJECTS.....Cont'd.....			
	Stone Church Road - Eleanor Avenue to Rochelle Avenue	545,000	Regional Road #116 - City of Hamilton. Reconstruction and widening to 4 lanes and partial widening on Upper Gage Avenue.
	Wentworth Street - King Street to T. H. & B.	11,000	Regional Road #177 - City of Hamilton. Engineering and mapping for reconstruction and partial widening of Wentworth Street.
	Barton Street - Green Road to Millen Road	688,000	Regional Road #24 - Town of Stoney Creek. Reconstruction and widening to 4 lanes including installation of storm sewers.
	Old Ancaster Road at Lower Lion's Club Road	21,800	Regional Road #32 - Town of Ancaster - stabilization of hazardous slope failure.
	Binbrook Road at Lincoln Line	10,000	Regional Road #22 - Township of Glanbrook. Road restoration in conjunction with 1977 realignment project by Region of Niagara.
	Ridge Road at 6th. Road East	12,000	Regional Road #25 - Town of Stoney Creek. Drainage outlet to relieve severe flooding.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1978 SPECIFIC PROJECTS	Cont'd.....	
	Wilson Street - Mohawk Road to Halson Street	5,000	Regional Road #47 - Town of Ancaster. Catch basin adjustments to improve drainage.
	Barton Street - Channelization	45,000	Regional Road #124 - City of Hamilton. Channelization from Mary Street to Ferguson Avenue. Construction \$ 45,000 A. & P. Contribution 15,000 City of Hamilton 7,000
	General Resurfacing	450,000	The following tentative programme has been identified for 1978. This programme is in excess of the allocated funds. The precise sections of roadway to be resur- faced will be decided at the spring break- up period. <u>Armour Coating</u> Westover Road - 5th. to Hwy. #5 Albion Road - (a)- Mud to Highland (Improvements) (b)- Highland to 53 (Armour Coating)

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1978 SPECIFIC PROJECTS.....Cont'd.....		
	General Resurfacing (cont'd)		<u>Armour Coating</u> -Miles Road - Rymal to Dickenson -Millgrove Side Road - Hwy. #6 to Millgrove Road. -Centre Road - 8th. Conc. Contract to Carlisle Bridge. -Millgrove Road - a) Brock Rd. to 0.6 miles easterly.- b) Hwy. #6 to Millgrove Side Road. -Millgrove Side Road - Hwy #5 to 4th. Conc. -Mud Street - Hwy. #20 to Albion Road including widening at Albion Road. -Upper Wentworth - Stone Church to Rymal. -Upper Sherman - Limeridge to Rymal. <u>Hot Mix</u> -Centre Road - 5th. Conc. to Cedar Street plus Parkside Dr. (Hamilton St. to Main St.) -Barton Street - Jones Road to ft. west of Fruitland Road. -Upper Wellington Concession to Fennell transition including spot repairs. -Fennell Avenue - Upper James to Upper Wellington. -Upper James - Inverness to Fennell. -Upper Wellington - Concession to Fennell Avenue Improvement. -Upper Ottawa - Mohawk to Concession -Fennell Avenue - Upper Wellington to Upper Gage.

1978 CURRENT BUDGET

DIVISION: TRANSPORTATIONPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: SPECIFIC PROJECTS

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	1978 SPECIFIC PROJECTS.....Cont'd.....		
	General Resurfacing (Cont'd.)		<u>Hot Mix</u> -Burlington Street - Birch to Wentworth. -Woodward Avenue - Rennie to Burlington, and ramps of interchange. -Parkdale Avenue-King Street to Main Street plus ramps of interchange. -King Street-Kenilworth Avenue to Parkdale. -Barton Street-Parkdale to Strathearne. -Kenilworth Avenue - Beach Road to McNulty.
	King Street	137,400	Regional Road #112-City of Hamilton. Sherman Avenue to the Delta and the Delta intersection. Base repairs along north curb lane and resurfacing.
	Upper Ottawa St. & Glanbrook/Haldimand Townline Road	80,000	Work required along Regional Roads resulting from Solid Waste Management proposal. a) Upper Ottawa St. - preliminary road at a cost of \$30,000. b) Townline Rd. - Finished 2-lane roadway. Total Cost-\$220,000, 1978 Request-\$50,000 with balance in 1979.
	Main Street	126,800	Regional Road #108-City of Hamilton. Ottawa Street to Kenilworth Avenue. Base repairs along south curb and resurfacing.
	Area Municipalities Miscellaneous Charges	21,000	Region's share of sidewalks, curb and radii improvements carried out by Area Municipalities.
		<u>\$4,885,000</u>	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: STUDIES & GENERAL ACCOUNTS

[illegible]

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Studies & General Accounts

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Structural Adequacy Tests	5,000	Various locations.
	Miscellaneous Land Acquisition	50,000	Various locations - land acquisition not listed in 1978 Specific Projects.
	Systems Development	5,000	Development, implementation and main- tenance of various computer systems.
	Surveys	30,000	Legal and Engineering surveys at various locations not listed in the 1978 Specific Projects.
	Road Needs Study	40,000	Major Study of road needs associated with Regional Roads, including metrification of all base information - requirement by M.T.C. - to determine subsidy allocation for next 5 years.
	Bridge & Culvert Study	20,000	Major study of structure needs associated with Regional Roads, including metrification of all base information - requirement of M.T.C. to determine subsidy allocation for next 5 years.

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Studies and General Accounts

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
Cont'd.....		
	Railway Safety Study	2,000	Study to determine the level of safety at unprotected level railway crossings. 1) Regional Road #458 - Millen Rd. @ C.N.R. 2) Regional Road #452 - Glover Rd. @ C.N.R. 3) Regional Road #29 - Dickenson Rd. @ C.N.R. 4) Regional Road #519 - Halton Townline Road @ C.P.R.
	Priority Grade Separation Study	1,000	Study to determine priority of grade separating level crossings.
	Consolidation of By-Laws	15,000	Consolidation of Assumption By-Laws by plan method and other miscellaneous by-laws.
		<hr/> 168,000	

1978 CURRENT BUDGET

DIVISION: TRANSPORTATION

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PRELIMINARY FORECAST

SECTION: VEHICLES AND EQUIPMENT

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0357-08	Vehicle Operations	6,000	6,293	6,000		6,000	
	• Vehicle Insurance	13,500	13,500	19,800		19,800	
	New Equipment				10,000	10,000	
	Replacement Vehicles	75,300	54,937	120,000*		120,000*	
	TOTAL	94,800	74,730	25,800	10,000	35,800	

* Replacement vehicles to be purchased from equipment reserve. (not tabulated in Budget)

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Vehicles & Equipment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
	New Equipment	10,000	Hot Box (asphalt patch heater)	\$ 5,000
			Asphalt Burner	5,000
	Replacement		1) 5-ton Cab & Chassis, with braced frame for snowplow. (to replace 08-0202-73 International) Mileage 80,000	\$ 18,500
			2) 5-ton Cab & Chassis, with braced frame for snowplow. (to replace 08-0404-73 International) Mileage 79,000	18,500
			3) 6-ton Tandem, with plow, wing and dump body. (to replace 08-0310-70 International F.W.D.) Mileage 85,000	42,000
			4) 4-ton Cab & Chassis (to replace 07-0123-70 International) Mileage 75,000	15,000
			5) 1/2-ton Pick-up (to replace 03-0400-74 Dodge) Mileage 110,000	4,500
			6) 1/2-ton Window Van (to replace 02-8201-72 International) Mileage 65,000	6,000

1978 CURRENT BUDGET

DIVISION: TransportationPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Vehicles & Equipment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	ReplacementCont'd.....		
		7)	1/2-ton Window Van (to replace 02-8202-72 International) Mileage 65,000 6,000
		8)	Automobile (to replace 01-9632-73 Pontiac Sedan Wagon). Mileage 95,000 4,500
		9)	Automobile (to replace 01-9631-73 Pontiac) Mileage 105,000 5,500

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SECTION: STORM SEWERS

ACCOUNT NUMBER	ACCOUNT DESCRIPTION	1977 BUDGET	1977 PROB. ACTUAL	EXISTING	1978 BUDGET CHANGE	TOTAL	1979 BUDGET
0357-09	Storm Sewers				196,800	196,800	
	TOTAL				<u>196,800</u>	<u>196,800</u>	

1978 CURRENT BUDGET

DIVISION: Transportation

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: Storm Sewers

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	Storm Sewers	46,800	Regional share of storm sewer system maintenance.
		100,000	Oversizing of storm sewers to accomodate road drainage.
		50,000	Pre-servicing of roadway drainage (i.e. catch basins & leads).
		<hr/> 196,800	

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